2011 BUYER'S GUIDE

IP Surveillance

ACTi Connecting Vision

www.acti.com

Updated in Mar.

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D1

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NEW KCM Series Multi-Megapixel IP Cameras

KCM-5111

KCM-5211

KCM-5311

KCM-7111

KCM-7211

KCM-5211E

KCM-5311E

ACTi has extended standard warranty coverage from two years to three years.
More warranty information: www.acti.com/warranty

* All specifications are subject to change without notice.
* All brand names and registered trademarks are the property of their respective owners.

KCM Series Multi-Megapixel IP Cameras

Always Focus, Always Win

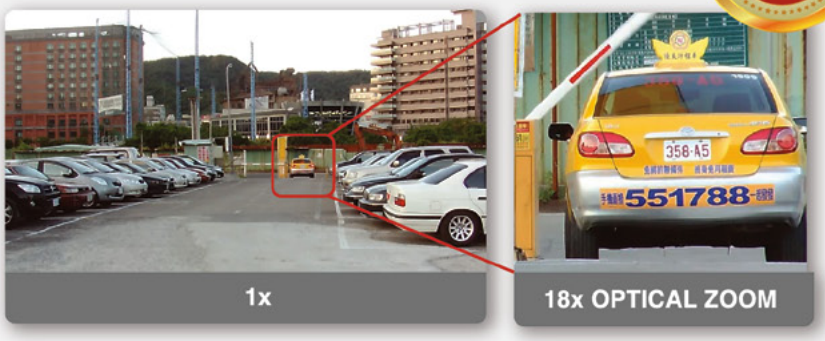
ACTi introduces new generation KCM series products – 4-Megapixel and Full HD 1080p Box and Fixed Dome IP cameras. The key features are optical zoom up to 35x with auto focus, P-Iris, adaptive profiles for different lighting conditions.

NO MATTER HOW FAR – IT'S CLEAR!

FIRST IN MARKET

Optical Zoom with Auto Focus at 4-Megapixel Resolution

Precise focus is critical for any Multi-megapixel camera in the market. With our revolutionary new ISP, ACTi KCM series cameras are the first to achieve 18x optical zoom with auto focus in 4-Megapixel resolution.

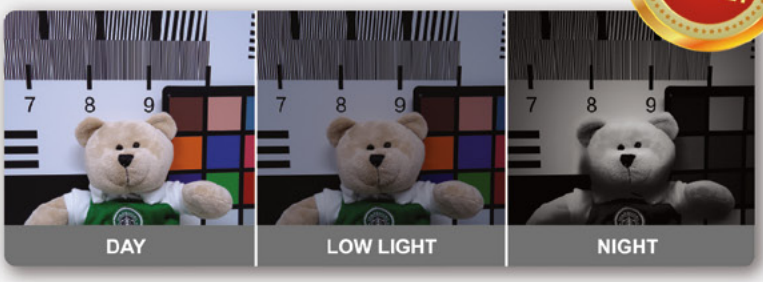


NO MATTER WHEN – IT'S CLEAR!

UNIQUE IN MARKET

Adaptive Profiles for Different Lighting Conditions

Unlike traditional day and night cameras which rely on fixed settings for light adaption, the new KCM series cameras come with the unique adaptive profile algorithm – as lighting condition changes, the camera changes its parameters dynamically according to the current scene to ensure the best video quality.

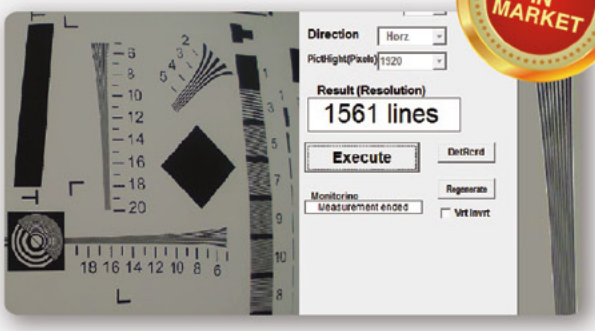


NO MATTER WHAT YOU MONITOR – IT'S CLEAR!

BEST IN MARKET

Clear Details with Amazing 1561 TVL

Do more pixels guarantee more clarity? Not really. The most accurate way to evaluate video clarity is to measure Television Lines of the snapshot from camera. More than just high resolution, ACTi offers superior quality with market-leading 1561 TVL cameras!



Experience clear video: www.acti.com/VideoClips

ACTi Connecting Vision

Box Cameras

	4-Megapixel (Full HD 1080p)			2-Megapixel (Full HD 1080p)	
Model Name	**KCM-5111**	**KCM-5211**	**KCM-5211E**	**KCM-5311**	**KCM-5311E**
Application Environment	Indoor	Indoor	Outdoor	Indoor	Outdoor
Compression	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG
Image Sensor	1/3.2" BSI Progressive Scan CMOS	1/3.2" BSI Progressive Scan CMOS	1/3.2" BSI Progressive Scan CMOS	1/4" Progressive Scan CMOS	1/4" Progressive Scan CMOS
Zoom Ratio	No	18x optical	18x optical	35x optical	35x optical
Lens	Bundled Fixed focal lens, f2.8 mm / F2.0; Fixed iris; Compatible P-Iris lenses available	Zoom, f4.7 - 84.6 mm / F1.6 - 2.8; DC Iris	Zoom, f4.7 - 84.6 mm / F1.6 - 2.8; DC Iris	Zoom, f3.5 - 122.5 mm / F1.65 - F4.5; DC Iris	Zoom, f3.5 - 122.5 mm / F1.65 - F4.5; DC Iris
Horizontal Viewing Angle	82.59°	48.94° - 3.61°	48.94° - 3.61°	45.35° - 1.6°	45.35° - 1.6°
Lens Mount	CS Mount (interchangeable lens)	Board Mount	Board Mount	Board Mount	Board Mount
Day / Night	Yes	Yes	Yes	Yes	Yes
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes
IR LED	No	No	Yes	No	Yes
Minimum Illumination	Color: 0.1 lux at F2.0 B/W : 0.05 lux at F2.0	Color: 0.1 lux at F1.6 B/W : 0.05 lux at F1.6	Color: 0.1 lux at F1.6 B/W : 0 lux (IR LED on)	Color: 0.1 lux at F1.65 B/W : 0.05 lux at F1.65	Color: 0.1 lux at F1.65 B/W : 0 lux (IR LED on)
Maximum Frame Rate at Maximum Resolution	8 fps at 2032 x 1920	8 fps at 2032 x 1920	8 fps at 2032 x 1920	15 fps at 1920 x 1080 (HD 1080p)	15 fps at 1920 x1080 (HD 1080p)
Multi-Streaming	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Audio	2-way	2-way	2-way	2-way	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.**	TCP, UDP, HTTP, RTP, DDNS, etc.**	TCP, UDP, HTTP, RTP, DDNS, etc.**	TCP, UDP, HTTP, RTP, DDNS, etc.**
Digital Input / Output	2/2	2/2	2/2	2/2	2/2
Local Storage	MicroSD/SDHC memory card slot (card not included)	MicroSD/SDHC memory card slot (card not included)	MicroSD/SDHC memory card slot (card not included)	MicroSD/SDHC memory card slot (card not included)	MicroSD/SDHC memory card slot (card not included)
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	N/A	N/A	Weatherproof (IP66 rated)	N/A	Weatherproof (IP66 rated)
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	-20°C ~ 50°C (-4°F ~ 122°F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	-20°C ~ 50°C (-4°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC, IP66	CE, FCC	CE, FCC, IP66

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour

** Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Pelco-D

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Box Cameras

	1.3-Megapixel (HD 720p)			VGA
Model Name	**TCM-5311**	**TCM-5601/ TCM-5611**	**ACM-5601/ ACM-5611**	**ACM-5001**
Application Environment	Indoor / Outdoor*	Indoor / Outdoor*	Indoor / Outdoor*	Indoor / Outdoor*
Compression	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Image Sensor	1/3" Sony EXview HAD Progressive Scan CCD	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS
Lens	Compatible DC iris lenses available	Bundled Fixed focal lens, f4.2 mm / F1.8; Fixed iris; Compatible DC iris / manual iris lenses available	Bundled Fixed focal lens, f4.2 mm / F1.8; Fixed iris; Compatible manual iris lenses available	Bundled Fixed focal lens, f4.2 mm / F1.8; Fixed iris; Compatible manual iris lenses available
Horizontal Viewing Angle	Based on lens specification	64.4°	64.4°	64.4°
Lens Mount	C/CS mount (interchangeable lens)	C/CS mount (interchangeable lens)	C/CS mount (interchangeable lens)	C/CS mount (interchangeable lens)
Day / Night	Yes	TCM-5601: No TCM-5611: Yes	ACM-5601: No ACM-5611: Yes	No
Mechanical IR Cut Filter	Yes	TCM-5601: No TCM-5611: Yes	ACM-5601: No ACM-5611: Yes	No
Minimum Illumination	Color: 0.15 lux at F1.2 B/W : 0.05 lux at F1.2	• TCM-5601 Color: 0.5 lux F1.0 B/W : 0.5 lux F1.0 • TCM-5611 Color: 0.5 lux F1.0 B/W : 0.05 lux F1.0	• ACM-5601 Color: 0.5 lux F1.0 B/W : 0.5 lux F1.0 • ACM-5611 Color: 0.5 lux F1.0 B/W : 0.05 lux F1.0	Color: 0.5 lux at F1.0 B/W : 0.5 lux at F1.0
Wide Dynamic Range	No	Yes	No	No
Maximum Frame Rate at Maximum Resolution	15 fps at 1280 x 960	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)	30 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Multiple streams based on single configuration
Audio	2-way	2-way	2-way	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.**	TCP, UDP, HTTP, RTP, DDNS, etc.**	TCP, UDP, HTTP, RTP, DDNS, etc.**	TCP, UDP, HTTP, RTP, DDNS, etc.**
Digital Input / Output	1/1	1/1	1/1	1/1
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Optional housing (IP66 rated)	Optional housing (IP66 rated)	Optional housing (IP66 rated)	Optional housing (IP66 rated)
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC

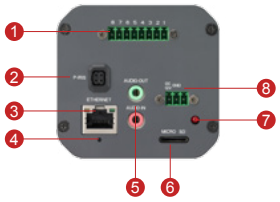
* Outdoor application requires weatherproof housing
** Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour

KCM-5111

H.264 4-Megapixel IP D/N PoE Box Camera

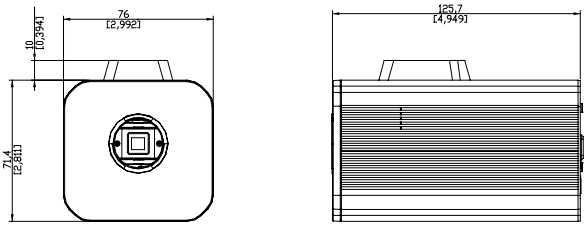
- 1/3.2” BSI Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F2.0
- Bundled f2.8 mm / F2.0 Megapixel fixed lens
- Optional P-Iris lens available
- 8 fps at 2032 x 1920 resolution (1561 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Digital Input / Output
2. P-Iris Connector
3. Ethernet Port
4. Reset Button
5. Audio Input / Output
6. MicroSD / MicroSDHC Card Slot
7. Power LED
8. DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0213		IR Compatible, P-Iris, F1.2, 3.1mm - 8 mm, 79.07° - 35.06°

Camera Bracket		
PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

KCM-5111

PRODUCT SPECIFICATION

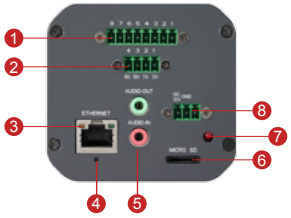
	KCM-5111
• Device	
Device Type	Box Camera
Image Sensor	BSI Progressive Scan CMOS
Sensor Size	1/3.2 " (4.5 x 3.4 mm)
Horizontal Resolution	1561 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.1 lux at F2.0 (30 IRE, 2400°K); B/W: 0.05 lux at F2.0 (30 IRE, 2400°K)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/15 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Fixed Focal, f2.8 mm / F2.0
Iris	Fixed Iris
Focus	Manual Focus
Mount Type	CS mount (interchangeable lens)
Lens Option	Compatible lenses are available
Horizontal Viewing Angle	82.59°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	8 fps at 2032 X 1920; 15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	5 fps at 2032 X 1920; 10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 58 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5mm Phone Jack
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Iris Connector	External connector for P-Iris lens
Digital Input	2, terminal block
Digital Output	2, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 8.64W DC 12V / 6.72W
Weight	600 g (1.32 lb)
Dimensions (W x H x D)	126.2 mm x 76 mm x 71.4 mm (4.97" x 2.99" x 2.81")
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

KCM-5211

18x Zoom H.264 4-Megapixel IP D/N PoE Box Camera

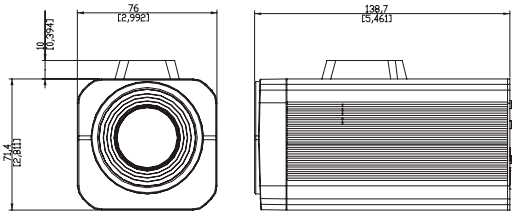
- 1/3.2” BSI Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F1.6
- 18 x optical zoom
- Built-in f4.7-84.6 mm / F1.6 Megapixel DC iris zoom lens
- 8 fps at 2032 x 1920 resolution (1409 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Digital Input / Output
2. Serial Port
3. Ethernet Port
4. Reset Button
5. Audio Input / Output
6. MicroSD / MicroSDHC Card Slot
7. Power LED
8. DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Box Camera

KCM-5211

PRODUCT SPECIFICATION

	KCM-5211
• Device	
Device Type	Box Camera
Image Sensor	BSI Progressive Scan CMOS
Sensor Size	1/3.2" (4.5 x 3.4 mm)
Horizontal Resolution	1409 TVL
Day / Night	Yes
Minimum Illumination	Color:0.1 lux at F1.6 (30 IRE, 2400°K); B/W: 0.05 lux at F1.6 (30 IRE, 2400°K)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/15 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Zoom, f4.7 - 84.6 mm / F1.6 - F2.8
Zoom Ratio	18x optical
Zoom Speed	2.63 sec (1x to 18x)
Iris	DC Iris
Focus	Auto Focus
Horizontal Viewing Angle	48.94° - 3.61°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	8 fps at 2032 X 1920; 15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	5 fps at 2032 X 1920; 10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 63.2 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5mm Phone Jack
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Pelco-D
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Go to Zoom preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	2, terminal block
Digital Output	2, terminal block
Serial Port	RS-485, RS-422, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 10.8W; DC 12V / 7.56W
Weight	740 g (1.63 lb)
Dimensions (W x H x D)	138.7 mm x 76 mm x 71.4 mm (5.46" x 2.99" x 2.81")
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

KCM-5211E

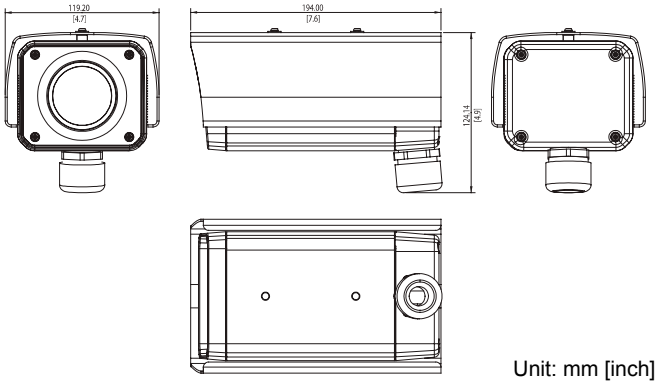
18x Zoom H.264 4-Megapixel IP IR D/N PoE Outdoor Box Camera

- 1/3.2” BSI Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- 18 x optical zoom
- Built-in f4.7-84.6 mm / F1.6 Megapixel DC iris zoom lens
- 8 fps at 2032 x 1920 resolution (1409 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Serial port for external pan & tilt scanner
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION

1. MicroSD / Micro SDHC Card Slot
2. Audio Input / Output
3. DC 12V Power Inout
4. Serial Port Input
5. Reset Button
6. Ethernet Port
7. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket

PMAX-1103		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90°, swivel angle 360°

Popular Mounting Solutions

Corner	PMAX-1103 PMAX-0402	
Pole	PMAX-1103 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

Pan & Tilt Scanner

Third party Pan & Tilt Scanners available at: www.acti.com/pantilt/

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Box Camera

KCM-5211E

PRODUCT SPECIFICATION

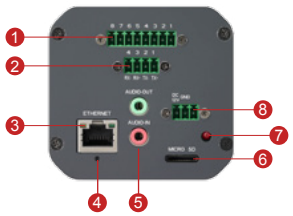
	KCM-5211E
• Device	
Device Type	Box Camera
Image Sensor	BSI Progressive Scan CMOS
Sensor Size	1/3.2" (4.5 x 3.4 mm)
Horizontal Resolution	1409 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.1 lux at F1.6 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/15 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Zoom, f4.7 - 84.6 mm / F1.6 - F2.8
Zoom Ratio	18x optical
Zoom Speed	2.63 sec (1x to 18x)
Iris	DC Iris
Focus	Auto Focus
Horizontal Viewing Angle	48.94° - 3.61°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	8 fps at 2032 X 1920; 15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	5 fps at 2032 X 1920; 10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 63.2 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5mm Phone Jack
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Pelco-D
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Go to Zoom preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	2, terminal block
Digital Output	2, terminal block
Serial Port	RS-485, RS-422, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 9.12 W (IR on) DC 12V / 11.52 W (IR on)
Weight	1350 g (2.98 lb)
Dimensions (W x H x D)	119.20 mm x 124.14 mm x 194.00 mm (4.70" x 4.90" x 7.60")
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

KCM-5311

35x Zoom H.264 2-Megapixel IP D/N PoE Box Camera

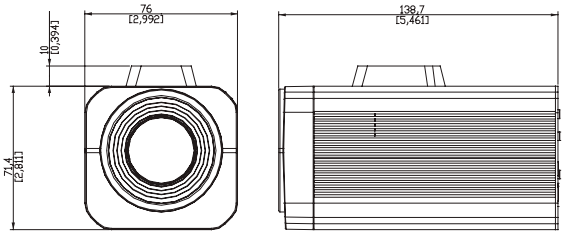
- 1/4” Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F1.65
- 35 x optical zoom
- Built-in f3.5-122.5 mm / F1.65 Megapixel DC iris zoom lens
- 15 fps at 1920 x 1080 resolution (956 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Digital Input / Output
2. Serial Port
3. Ethernet Port
4. Reset Button
5. Audio Input / Output
6. MicroSD / MicroSDHC Card Slot
7. Power LED
8. DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

KCM-5311

PRODUCT SPECIFICATION

	KCM-5311
• Device	
Device Type	Box Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/4" (3.84 x 2.4 mm)
Horizontal Resolution	956 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.1 lux at F1.65 (30 IRE, 2400°K); B/W: 0.05 lux at F1.65 (30 IRE, 2400°K)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/30 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Zoom, f3.5 - 122.5 mm / F1.65 - 4.5
Zoom Ratio	35x optical
Zoom Speed	4 sec (1x to 35x)
Iris	DC Iris
Focus	Auto focus
Horizontal Viewing Angle	45.35° - 1.6°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 66 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Masks	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5mm Phone Jack
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Pelco-D
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Go to Zoom preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	2, terminal block
Digital Output	2, terminal block
Serial Port	RS-485, RS-422, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 6.6W DC 12V / 8.64W
Weight	680 g (1.50 lb)
Dimensions (W x H x D)	138.7 mm x 76 mm x 71.4 mm (5.46" x 2.99" x 2.81")
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

KCM-5311E

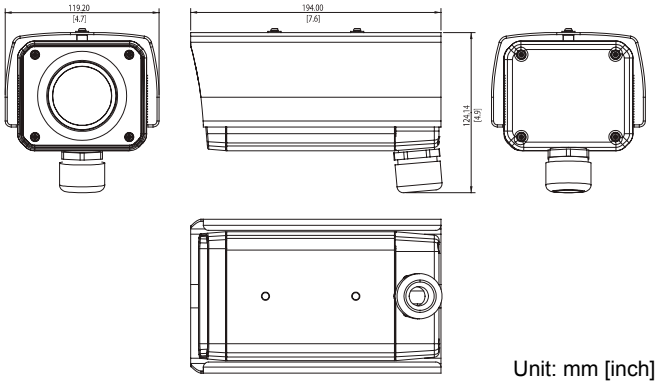
35x Zoom H.264 2-Megapixel IP IR D/N PoE Outdoor Box Camera

- 1/4” Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- 35 x optical zoom
- Built-in f3.5-122.5 mm / F1.65 Megapixel DC iris zoom lens
- 15 fps at 1920 x 1080 resolution (956 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Serial port for external pan & tilt scanner
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION

1. MicroSD / Micro SDHC Card Slot
2. Audio Input / Output
3. DC 12V Power Inout
4. Serial Port Input
5. Reset Button
6. Ethernet Port
7. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket

PMAX-1103		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90°, swivel angle 360°

Popular Mounting Solutions

Corner	PMAX-1103 PMAX-0402	
Pole	PMAX-1103 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

Pan & Tilt Scanner

Third party Pan & Tilt Scanners available at: www.acti.com/pantilt/

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Box Camera

KCM-5311E

PRODUCT SPECIFICATION

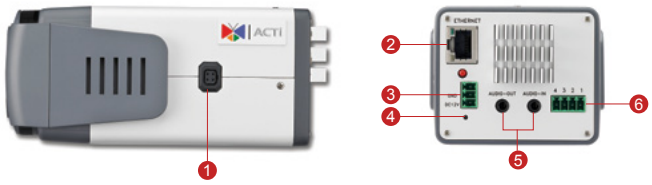
	KCM-5311E
• Device	
Device Type	Box Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/4" (3.84 x 2.4 mm)
Horizontal Resolution	956 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.1 lux at F1.65 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/30 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Zoom, f3.5 - 122.5 mm / F1.65 - 4.5
Zoom Ratio	35x optical
Zoom Speed	4 sec (1x to 35x)
Iris	DC Iris
Focus	Auto Focus
Horizontal Viewing Angle	45.35° - 1.6°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 66 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5mm Phone Jack
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Pelco-D
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Go to Zoom preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	2, terminal block
Digital Output	2, terminal block
Serial Port	RS-485, RS-422, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 7.68 (IR on) DC 12V / 10.08 (IR on)
Weight	1350 g (2.98 lb)
Dimensions (W x H x D)	119.20 mm x 124.14 mm x 194.00 mm (4.70" x 4.90" x 7.60")
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

TCM-5311

H.264 Megapixel IP D/N PoE CCD Box Camera

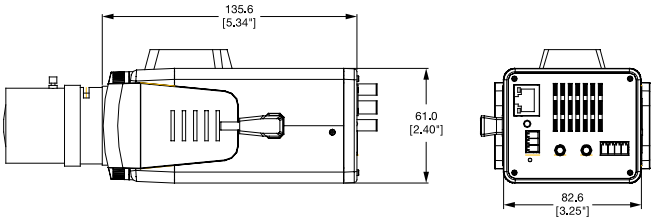
- 1/3” Sony EXview HAD Progressive Scan CCD
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F1.2
- DC Iris lens supported
- 15 fps at 1280 x 960 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. DC Iris Port
2. Ethernet Port
3. DC 12V Power Input
4. Reset Button
5. Audio Input / Output
6. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens

PLEN-0205		IR Compatible, DC Iris, F1.6, 8 mm - 80 mm, 34.4° - 3.7°
PLEN-0212		IR Compatible, DC Iris, F1.2, 3.1 mm - 8 mm, 89.69° - 35.06°

Popular Mounting Solutions

Corner	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0402	
Pole	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

Outdoor Housing & Bracket

PMAX-0200		IP66, with heater and fan powered by 110V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0201		IP66, with heater and fan powered by 220V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-1101		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90° (For PMAX-0200, PMAX-0201, PMAX-0202)

Camera Bracket

PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-5311

PRODUCT SPECIFICATION

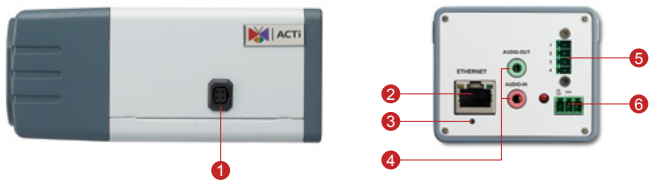
	TCM-5311
• Device	
Device Type	Box Camera
Image Sensor	Sony EXview HAD Progressive Scan CCD
Sensor Size	1/3" (4.8 x 3.6 mm)
Horizontal Resolution	900 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.15 lux at F1.2 (30 IRE, Max. AGC); B/W: 0.05 lux at F1.2 (30 IRE, Max. AGC)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
Electronic Shutter	1/60 - 1/10,000 sec (60Hz); 1/50 - 1/10,000 sec (50Hz) (manual mode) 2 - 1/100,000 sec (auto mode)
• Lens	
Mount Type	C/CS mount (interchangeable lens)
Lens Option	Compatible lenses are available
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	15 fps at 1280 x 960; 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 50 dB
Image Enhancement	Backlight compensation; White balance: automatic, hold, predefined and manual; Brightness; Automatic gain control; Auto exposure: automatic, predefined, manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5mm Phone Jack
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
DC Iris Connector	External connector for DC Iris lens
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 7.68 W DC 12V / 6.72 W
Weight	505 g (1.1 lb)
Dimensions (W x H x D)	135.6 mm x 82.6 mm x 61.0 mm (5.34" x 3.25" x 2.40")
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

TCM-5601/TCM-5611

H.264 Megapixel IP PoE Box Camera / H.264 Megapixel IP D/N PoE Box Camera

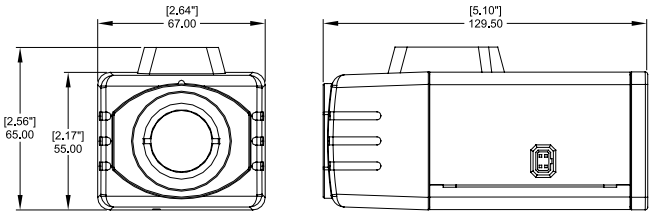
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter (TCM-5611)
- Minimum illumination 0.5 lux at F1.0 (TCM-5601) / 0.05 lux at F1.0 (TCM-5611)
- Bundled f4.2 mm / F1.8 Megapixel fixed lens
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. DC Iris Port
2. Ethernet Port
3. Reset Button
4. Audio Input / Output
5. Digital Input / Output
6. DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens

PLEN-0201		Manual Iris, F1.2, 2.4 mm - 6 mm, 101.3° - 45.6° (For TCM-5601 only)
PLEN-0202		IR Compatible, Manual Iris, F1.6, 2.8 mm - 12 mm, 91.1° - 22.9°
PLEN-0212		IR Compatible, DC Iris, F1.2, 3.1 mm - 8 mm, 85.91° - 34.12°

Popular Mounting Solutions

Corner	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0402	
Pole	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer's Guide or Project Planner on www.acti.com

Outdoor Housing & Bracket

PMAX-0200		IP66, with heater and fan powered by 110V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0201		IP66, with heater and fan powered by 220V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0202		IP66, 0 °C ~ 50°C (32 °F ~ 122 °F), requires housing bracket
PMAX-1101		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90° (For PMAX-0200, PMAX-0201, PMAX-0202)

Camera Bracket

PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-5601/TCM-5611

PRODUCT SPECIFICATION

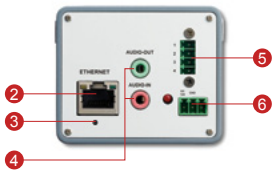
	TCM-5601	TCM-5611
• Device		
Device Type	Box Camera	
Image Sensor	Aptina Progressive Scan CMOS	
Sensor Size	1/3" (4.8 x 3.6 mm)	
Day / Night	No	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.05 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable	CDS sensor based switch, configurable DSP based switch, configurable
Mechanical IR Cut Filter	No	Yes
IR Sensitivity Range	No	700 - 1100 nm
IR LED	No	
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode); 1/5 - 1/15,000 sec (auto mode)	
• Lens		
Focal Length	Fixed focal, f4.2 mm / F1.8	
Iris	Fixed iris	
Focus	Manual focus	
Mount Type	C/CS mount (interchangeable lens)	
Horizontal Viewing Angle	64.4°	
• Video		
Compression	H.264, MPEG-4 SP, MJPEG	
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p) ; 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)	
Multi-Streaming	Simultaneous dual streams based on two configurations	
Bit Rate	28 Kbps - 6 Mbps (per stream)	
Bit Rate Mode	Constant, Variable	
S/N Ratio	More than 44 dB	
Image Enhancement	Wide dynamic range; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless	
Privacy Mask	4 configurable regions	
Text Overlay	User defined text on video	
Image Orientation	Image flip and mirror	
• Audio		
Compression	8 kHz, Mono, PCM, 16 bit encoding	
Audio-In	3.5 mm Phone Jack	
Audio-Out	3.5 mm Phone Jack	
• Network		
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	
Ethernet Port	1, Ethernet (10/100Base-T), RJ-45 connector	
Security	IP address filtering; HTTPS encryption; Password protected user levels	
• Alarm		
Alarm Trigger	Video motion detection (3 regions); External device through digital input	
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output	
• Interface		
DC Iris Connector	External connector for DC Iris lens	
Digital Input	1, terminal block	
Digital Output	1, terminal block	
• General		
Power Source / Consumption	DC 12V / 5.16 W PoE Class 3 (IEEE802.3af) / 6.24 W	
Weight	400 g (0.88 lb)	
Dimensions (W x H x D)	67 mm x 55 mm x 129.5 mm (2.64" x 2.17" x 5.10")	
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	
Operating Humidity	10% ~ 85% RH	
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC	
• Integration		
Unified Solution	Fully compatible with ACTi software	
ISV Integration	Software Development Kit (SDK) available	
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer	

ACM-5601/ACM-5611

Megapixel IP PoE Box Camera / Megapixel IP D/N PoE Box Camera

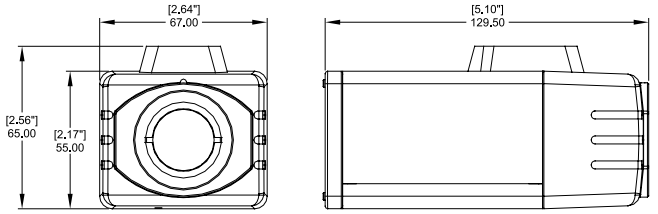
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter (ACM-5611)
- Minimum illumination 0.5 lux at F1.0 (ACM-5601) / 0.05 lux at F1.0 (ACM-5611)
- Built-in f4.2 mm / F1.8 Megapixel fixed lens
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Digital input and digital output
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet Port
2. Reset Button
3. Audio Input / Output
4. Digital Input / Output
5. DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens

PLEN-0102		IR Compatible, Fixed Iris, F1.8, 8 mm, 33.3° (For ACM-5601 only)
PLEN-0107		Manual Iris, F1.4, 3.5 mm - 8 mm, 70° - 31.6° (For ACM-5601 only)
PLEN-0201		Manual Iris, F1.2, 2.4 mm - 6 mm, 101.3° - 45.6° (For ACM-5601 only)
PLEN-0202		IR Compatible, Manual Iris, F1.6, 2.8 mm - 12 mm, 91.1° - 22.9°

Popular Mounting Solutions

Corner	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0402	
Pole	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer's Guide or Project Planner on www.acti.com

Outdoor Housing & Bracket

PMAX-0200		IP66, with heater and fan powered by 110V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0201		IP66, with heater and fan powered by 220V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0202		IP66, 0 °C ~ 50°C (32 °F ~ 122 °F), requires housing bracket
PMAX-1101		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90° (For PMAX-0200, PMAX-0201, PMAX-0202)

Camera Bracket

PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-5601/ACM-5611

PRODUCT SPECIFICATION

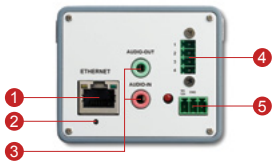
	ACM-5601	ACM-5611
• Device		
Device Type	Box Camera	
Image Sensor	Aptina Progressive Scan CMOS	
Sensor Size	1/3" (4.8 x 3.6 mm)	
Day / Night	No	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.05 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable	CDS sensor based switch
Mechanical IR Cut Filter	No	Yes
IR Sensitivity Range	No	700 - 1100 nm
IR LED	No	
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)	
• Lens		
Focal Length	Fixed focal, f4.2 mm / F1.8	
Iris	Fixed iris	
Focus	Manual focus	
Mount Type	C/CS mount (interchangeable lens)	
Horizontal Viewing Angle	64.4°	
• Video		
Compression	MPEG-4 SP, MJPEG	
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)	
Multi-Streaming	Multiple streams based on single configuration	
Bit Rate	28 Kbps - 3 Mbps (per stream)	
Bit Rate Mode	Constant, Variable	
S/N Ratio	More than 44 dB	
Image Enhancement	White balance: automatic, hold, predefined, manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined, manual; Flickerless	
Privacy Mask	1 configurable region	
Text Overlay	User defined text on video	
Image Orientation	Image flip and mirror	
• Audio		
Compression	8 kHz, Mono, PCM, 16 bit encoding	
Audio-In	3.5 mm Phone Jack	
Audio-Out	3.5 mm Phone Jack	
• Network		
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP , Bonjour	
Ethernet Port	1, Ethernet (10/100Base-T), RJ-45 connector	
Security	IP address filtering; HTTPS encryption; Password protected user levels	
• Alarm		
Alarm Trigger	Video motion detection (3 regions); External device through digital input	
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output	
• Interface		
Digital Input	1, terminal block	
Digital Output	1, terminal block	
• General		
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.3 W DC 12V / 3.3 W	
Weight	400 g (0.88 lb)	
Dimensions (W x H x D)	67 mm x 55 mm x 129.5 mm (2.64" x 2.17" x 5.10")	
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	
Operating Humidity	10% ~ 85% RH	
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC	
• Integration		
Unified Solution	Fully compatible with ACTi software	
ISV Integration	Software Development Kit (SDK) available	

ACM-5001

IP PoE Box Camera

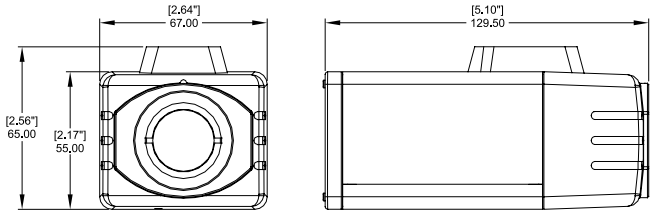
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 lux at F1.0
- Built-in f4.2 mm / F1.8 fixed lens
- 30 fps at 640 x 480 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Digital input and digital output
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet Port
2. Reset Button
3. Audio Input / Output
4. Digital Input / Output
5. DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens

PLEN-0102		IR Compatible, Fixed Iris, F1.8, 8 mm, 33.3°
PLEN-0107		Manual Iris, F1.4, 3.5 mm - 8 mm, 70° - 31.6°
PLEN-0201		Manual Iris, F1.2, 2.4 mm - 6 mm, 101.3° - 45.6°
PLEN-0202		IR Compatible, Manual Iris, F1.6, 2.8 mm - 12 mm, 91.1° - 22.9°

Popular Mounting Solutions

Corner	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0402	
Pole	PMAX-0200/ PMAX-0201 PMAX-1101 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer's Guide or Project Planner on www.acti.com

Outdoor Housing & Bracket

PMAX-0200		IP66, with heater and fan powered by 110V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0201		IP66, with heater and fan powered by 220V AC, -30 °C ~ 50 °C (-22 °F ~ 122 °F), requires housing bracket
PMAX-0202		IP66, 0 °C ~ 50°C (32 °F ~ 122 °F), requires housing bracket
PMAX-1101		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90° (For PMAX-0200, PMAX-0201, PMAX-0202)

Camera Bracket

PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-5001

PRODUCT SPECIFICATION

	ACM-5001
• Device	
Device Type	Box Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
IR LED	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Fixed focal, f4.2 mm / F1.8
Iris	Fixed iris
Focus	Manual focus
Mount Type	C/CS mount (interchangeable lens)
Horizontal Viewing Angle	64.4°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate & Resolution	30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.3 W DC 12V / 3.3 W
Weight	400 g (0.88 lb)
Dimensions (W x H x D)	67 mm x 55 mm x 129.5 mm (2.64" x 2.17" x 5.10")
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

Bullet Cameras

	1.3-Megapixel (HD 720p)				D1
Model Name	**TCM-1231**	**ACM-1231**	**TCM-1511**	**ACM-1511**	**ACM-1431**
Application Environment	Outdoor	Outdoor	Indoor	Indoor	Outdoor
Compression	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Image Sensor	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Sony Super HAD Interlaced Scan CCD
Lens	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3.8 - 9.5 mm / F1.2; DC iris
Horizontal Viewing Angle	76.5° - 21.7°	85.9° - 23.1°	77.6° - 22.7°	78.5° - 22.6°	73.4° - 29.7°
Day / Night	Yes	Yes	Yes	Yes	Yes
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes
IR LED	Yes	Yes	Yes	Yes	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.15lux at F1.2 B/W : 0 lux (IR LED on)
Wide Dynamic Range	Yes	No	Yes	No	No
Maximum Frame Rate at Maximum Resolution	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)
Multi-Streaming	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Multiple streams based on single configuration
Audio	2-way	2-way	2-way	2-way	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Analog Video Output	No	No	No	No	Yes
Digital Input / Output	1/1	No	1/1	No	No
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP66 rated)	Weatherproof (IP66 rated)	N/A	N/A	Weatherproof (IP66 rated)
Operating Temperature	-20 °C ~ 50 °c (-4 °F ~ 122 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	-20 °C ~ 40 °C (-4 °F ~ 104 °F)
Approvals	CE, FCC, IP66	CE, FCC, IP66	CE, FCC	CE, FCC	CE, FCC, IP66

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Cube Cameras

	1.3-Megapixel (HD 720p)		VGA
Model Name	**TCM-4201**	**ACM-4201**	**ACM-4001**
Application Environment	Indoor	Indoor	Indoor
Compression	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Image Sensor	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS
Lens	Bundled Fixed focal lens, f4.2 mm / F1.8; Fixed iris; Compatible manual iris lenses available	Bundled Fixed focal lens, f4.2 mm / F1.8; Fixed iris; Compatible manual iris lenses available	Bundled Fixed focal lens, f4.2 mm / F1.8; Fixed iris; Compatible manual iris lenses available
Horizontal Viewing Angle	64.1°	64.1°	64.1°
Lens Mount	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)
Day / Night	No	No	No
Mechanical IR Cut Filter	No	No	No
IR LED	No	No	No
Minimum Illumination	Color: 0.5 lux at F1.0 B/W: 0.5 lux at F1.0	Color: 0.5 lux at F1.0 B/W: 0.5 lux at F1.0	Color: 0.5 lux at F1.0 B/W: 0.5 lux at F1.0
Wide Dynamic Range	No	No	No
Maximum Frame Rate at Maximum Resolution	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)	30 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Multiple streams based on single configuration
Audio	2-way, built-in microphone	2-way, built-in microphone	2-way, built-in microphone
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Digital Input / Output	Yes	Yes	Yes
Passive IR Sensor	Yes	Yes	Yes
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Bundled Accessories	Bracket	Bracket	Bracket
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Approvals	CE, FCC	CE, FCC	CE, FCC

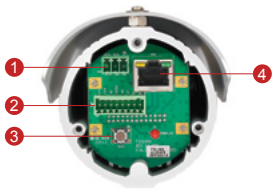
* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour

TCM-1231

H.264 Megapixel Outdoor IP IR D/N PoE Bullet Camera

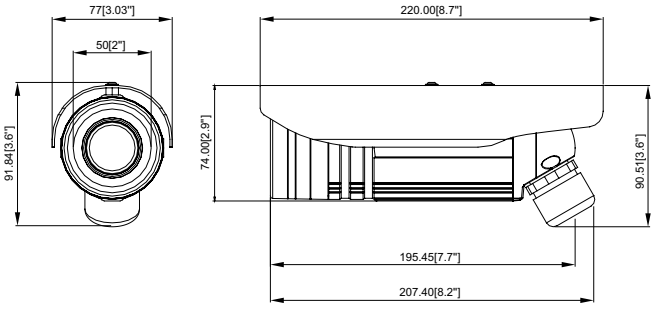
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3-12 mm / F1.6 Megapixel vari-focal lens
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range
- Weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. DC 12V Power Input
2. Audio Input / Output & Digital Input / Output
3. Reset Button
4. Ethernet Port

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1103		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90°, swivel angle 360°

Popular Mounting Solutions		
Corner	PMAX-1103 PMAX-0402	
Pole	PMAX-1103 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-1231

PRODUCT SPECIFICATION

	TCM-1231
• Device	
Device Type	Bullet Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch, configurable; DSP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	76.5° - 21.7°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	Wide dynamic range; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 8.16 W (IR on) DC 12V / 6.96 W (IR on)
Weight	685 g (1.51 lb)
Dimensions (Ø x L)	77 mm x 220 mm (3.03"x 8.66")
Environmental Casing	Weatherproof (IP66 rated)
Operating Temperature	-20 °C ~ 50 °c (-4 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

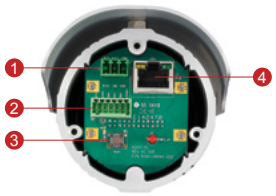
ACM-1231

Megapixel IP IR D/N PoE Outdoor Bullet Camera

* The bracket needs to be purchased separately.

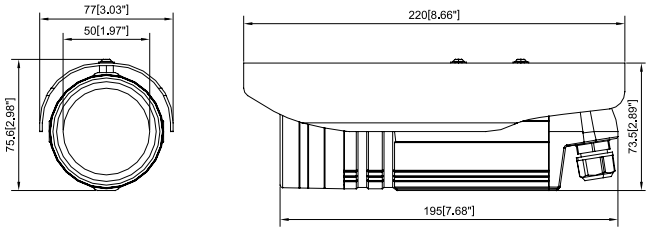
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3-12 mm / F1.6 Megapixel vari-focal lens
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. DC 12V Power Input
2. Audio Input / Output
3. Reset Button
4. Ethernet Port

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1103		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90°, swivel angle 360°

Popular Mounting Solutions		
Corner	PMAX-1103 PMAX-0402	
Pole	PMAX-1103 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-1231

PRODUCT SPECIFICATION

	ACM-1231
• Device	
Device Type	Bullet Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) ; B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	85.9° - 23.1°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions)
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 6.24 W (IR on) DC 12V / 6 W (IR on)
Weight	685 g (1.51 lb)
Dimensions (Ø x L)	77 mm x 220 mm (3.03" x 8.66")
Environmental Casing	Weatherproof (IP66 rated)
Operating Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

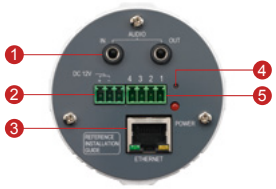
TCM-1511

H.264 Megapixel IP IR D/N PoE Bullet Camera

* The bracket needs to be purchased separately.

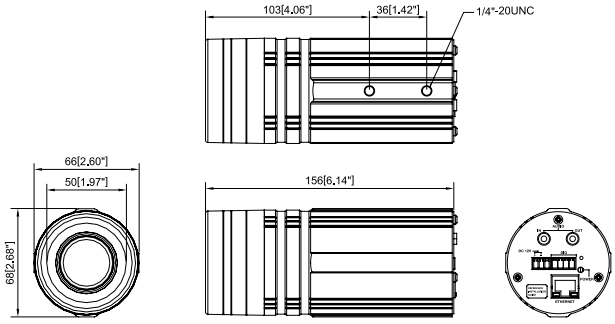
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3 - 12 mm / F1.6 Megapixel vari-focal lens
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Audio Input / Output
2. DC 12V Power input
3. Ethernet Port
4. Reset Button
5. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°
PMAX-1102		Zinc, Plastic, max. load 1 kg (2.20 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-1511

PRODUCT SPECIFICATION

	TCM-1511
• Device	
Device Type	Bullet Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch, configurable; DSP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	77.6° - 22.7°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	Wide dynamic range; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 8.16 W (IR on) DC 12V / 6.96 W (IR on)
Weight	505 g (1.11 lb)
Dimensions (Ø x L)	68 mm x 130.6 mm (2.68" x 5.14")
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

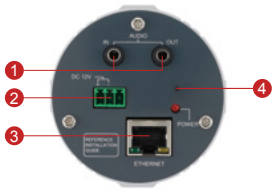
ACM-1511

Megapixel IP IR D/N PoE Bullet Camera

* The bracket needs to be purchased separately.

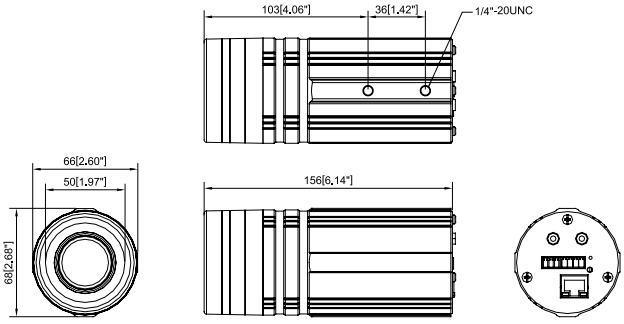
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3-12 mm / F1.6 Megapixel vari-focal lens
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Audio Input / Output
2. DC 12V Power Input
3. Ethernet Port
4. Reset Button

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1100		Plastic, max. load 3.5 kg (7.72 lb), tilt angle 90°
PMAX-1102		Zinc, Plastic, max. load 1 kg (2.20 lb), tilt angle 90°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-1511

PRODUCT SPECIFICATION

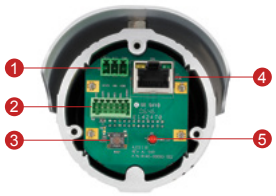
	ACM-1511
• Device	
Device Type	Bullet Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (Auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	78.5° - 22.6°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions)
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.8 W (IR on) DC 12V / 3.72 W (IR on)
Weight	505 g (1.11 lb)
Dimensions (Ø x L)	68 mm x 130.6 mm (2.68" x 5.14")
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-1431

IP IR D/N CCD Outdoor PoE Bullet Camera

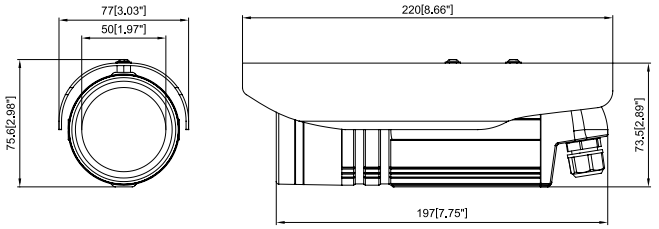
- 1/3” Sony Super HAD interlaced scan CCD
- Minimum illumination 0 lux with IR LED on
- Built-in f3.8-9.5 mm / F1.2 DC Iris vari-focal lens
- 25/30 fps at full D1 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Analog video output with 540 TVL
- Weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V
- ACM-1431N (NTSC) / ACM-1431P (PAL)

PHOTO INDICATION



1. DC 12V Power Input
2. Audio Input / Output & Video Output
3. Reset Button
4. Ethernet Port
5. Power LED

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Camera Bracket		
PMAX-1103		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90°, swivel angle 360°

Popular Mounting Solutions		
Corner	PMAX-1103 PMAX-0402	
Pole	PMAX-1103 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-1431

PRODUCT SPECIFICATION

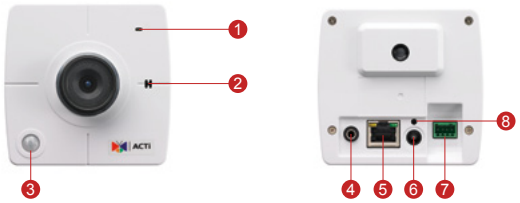
	ACM-1431
• Device	
Device Type	Bullet Camera
Image Sensor	Sony Super HAD Interlaced Scan CCD
Sensor Size	1/3" (4.8 x 3.6 mm)
Horizontal Resolution	540 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.15 lux at F1.2 (30 IRE, Max. AGC); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 15 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/60 sec (NTSC); 1/50 sec (PAL) (manual mode) 1/60~1/100,000 sec.(NTSC); 1/50~1/100,000 sec. (PAL) (auto mode)
• Lens	
Focal Length	Vari-focal, f3.8 - 9.5 mm / F1.2
Iris	DC Iris
Focus	Manual focus
Horizontal Viewing Angle	73.4° - 29.7°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 640 x 480 (VGA, NTSC); 25 fps at 640 x 480 (VGA, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 50 dB
Image Enhancement	Backlight compensation; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Automatic gain control
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions)
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server
• Interface	
Analog Video Output	1, CVBS, 1.0Vp-p with 75 Ω terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 8.4 W (IR on) DC 12V / 7.1 W (IR on)
Weight	685 g (1.51 lb)
Dimensions (Ø x L)	77 mm x 220 mm (3.03" x 8.66")
Environmental Casing	Weatherproof (IP66 rated)
Operating Temperature	-20 °C ~ 40 °C (-4 °F ~ 104 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

TCM-4201

H.264 Megapixel IP PoE Cube Camera with PIR

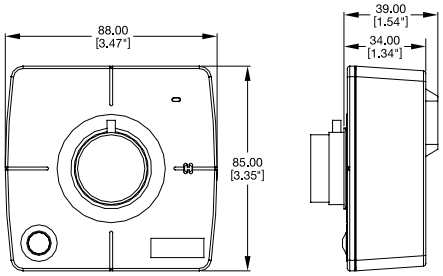
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 lux at F1.0
- Built-in f4.2mm / F1.8 Megapixel fixed lens
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Built-in passive IR sensor
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Power LED
2. Built-in Microphone
3. PIR Sensor
4. Audio Output
5. Ethernet Port
6. DC 12V Power Input
7. Digital Input / Output
8. Reset Button

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0201		Manual Iris, F1.2, 2.4 mm - 6 mm, 113.4° - 46°
PLEN-0202		IR Compatible, Manual Iris, F1.6, 2.8 mm - 12 mm, 94° - 25.5°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-4201

PRODUCT SPECIFICATION

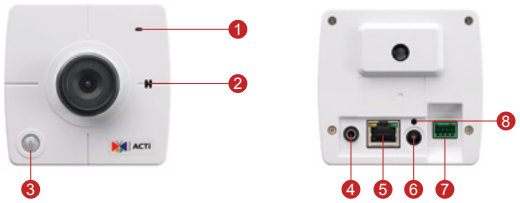
	TCM-4201
• Device	
Device Type	Cube Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400 °K); B/W: 0.5 lux at F1.0 (30 IRE, 2400 °K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Fixed focal, f4.2 mm / F1.8
Iris	Fixed iris
Focus	Manual focus
Mount Type	CS mount (interchangeable lens)
Horizontal Viewing Angle	64.1°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Built-in Microphone Sensitivity: -36±3dB(0dB=1V/Pa); S/N Ratio: more than 58dB; Omni-directional
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input; Built-in passive IR sensor
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
Passive IR Sensor	Yes
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.32 W DC 12V / 3.84 W
Weight	160 g (0.35 lb)
Dimensions (W x H x D)	88 mm x 85 mm x 39 mm (3.47" x 3.35" x 1.54")
Bundled Accessories	Bracket
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-4201

Megapixel IP PoE Cube Camera with PIR

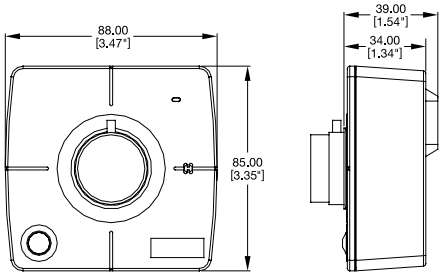
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 Lux at F1.0
- Bundled with f4.2 mm / F1.8 Megapixel fixed lens
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Digital input and digital output
- Built-in passive IR sensor
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Power LED
2. Built-in Microphone
3. PIR Sensor
4. Audio Output
5. Ethernet Port
6. DC 12V Power Input
7. Digital Input / Output
8. Reset Button

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0201		Manual Iris, F1.2, 2.4 mm - 6 mm, 113.4° - 46°
PLEN-0202		IR Compatible, Manual Iris, F1.6, 2.8 mm - 12 mm, 94° - 25.5°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-4201

PRODUCT SPECIFICATION

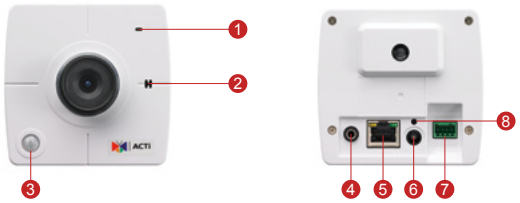
	ACM-4201
• Device	
Device Type	Cube Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400 °K); B/W: 0.5 lux at F1.0 (30 IRE, 2400 °K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Fixed focal, f4.2 mm / F1.8
Iris	Fixed iris
Focus	Manual focus
Mount Type	CS mount (interchangeable lens)
Horizontal Viewing Angle	64.1°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Built-in microphone Sensitivity: -36±3dB(0dB=1V/Pa); S/N Ratio: more than 58 dB; Directivity: Omni-directional
Audio-Out	3.5mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input; Built-in passive IR sensor
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
Passive IR Sensor	Yes
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 3.00 W DC 12V / 2.88 W
Weight	160 g (0.35 lb)
Dimensions (W x H x D)	88 mm x 85 mm x 39 mm (3.47" x 3.35" x 1.54")
Bundled Accessories	Bracket
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-4001

IP PoE Cube Camera with PIR

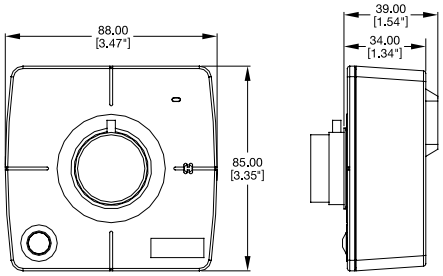
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 lux at F1.0
- Bundled with f4.2mm / F1.8 fixed lens
- 30 fps at 640 x 480 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Digital input and digital output
- Built-in passive IR sensor
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Power LED
2. Built-in Microphone
3. PIR Sensor
4. Audio Output
5. Ethernet Port
6. DC 12V Power Input
7. Digital Input / Output
8. Reset Button

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0201		Manual Iris, F1.2, 2.4 mm - 6 mm, 113.4° - 46°
PLEN-0202		IR Compatible, Manual Iris, F1.6, 2.8 mm - 12 mm, 94° - 25.5°

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-4001

PRODUCT SPECIFICATION

	ACM-4001
• Device	
Device Type	Cube Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400 °K) , B/W: 0.5 lux at F1.0 (30 IRE, 2400 °K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz) (manual mode); 1/5 - 1/15,000 sec (auto mode) 1/25 - 1/1,000 sec (50Hz)
• Lens	
Focal Length	Fixed focal, f4.2 mm / F1.8
Iris	Fixed iris
Focus	Manual focus
Mount Type	CS mount (interchangeable lens)
Horizontal Viewing Angle	64.1°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Built-in microphone Sensitivity: -36±3dB(0dB=1V/Pa); S/N Ratio: more than 58 dB; Omni-directional
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input; Built-in passive IR sensor
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
Passive IR Sensor	Yes
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 3.00 W DC 12V / 2.88 W
Weight	160 g (0.35 lb)
Dimensions (W x H x D)	88 mm x 85 mm x 39 mm (3.47" x 3.35" x 1.54")
Bundled Accessories	Bracket
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

Fixed Dome Cameras

	4-Megapixel (Full HD 1080p)		1.3-Megapixel (HD 720p)	
Model Name	**KCM-7111**	**KCM-7211**	**TCM-3401/TCM-3411**	**ACM-3401/ACM-3411**
Application Environment	Outdoor	Outdoor	Indoor	Indoor
Compression	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Image Sensor	1/3.2" BSI Progressive Scan CMOS	1/3.2" BSI Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS
Zoom Ratio	No	3.6x optical	No	No
Lens	Fixed focal, f2.8mm / F2.0; Fixed iris	Zoom, f3.3 - 12 mm / F1.4 - 2.9; P-Iris	Fixed focal, f4.2 mm / F1.8; Fixed iris	Fixed focal, f4.2 mm / F1.8; Fixed iris
Horizontal Viewing Angle	82.59°	77.22° - 22.62°	64.7°	63.7°
Viewing Angle Adjustment	Pan : 0° - 360° Tilt : 0° - 180° Rotate: 0° - 360°	Pan : 0° - 360° Tilt : 0° - 180° Rotate: 0° - 360°	Pan: 0° - 170° Tilt : 0° - 180°	Pan: 0° - 170° Tilt : 0° - 180°
Lens Mount	CS Mount	Board Mount	TCM-3401: Board mount (interchangeable lens) TCM-3411: Board mount	ACM-3401: Board mount (interchangeable lens) ACM-3411: Board mount
Day / Night	Yes	Yes	TCM-3401: No TCM-3411: Yes	ACM-3401: No ACM-3411: Yes
Mechanical IR Cut Filter	Yes	Yes	TCM-3401: No TCM-3411: Yes	ACM-3401: No ACM-3411: Yes
IR LED	No	No	No	No
Minimum Illumination	Color: 0.1 lux at F2.0 B/W : 0.05 lux at F2.0	Color: 0.1 lux at F1.4 B/W : 0.05 lux at F1.4	• TCM-3401 Color: 0.5 lux at F1.0 B/W : 0.5 lux at F1.0 • TCM-3411 Color: 0.5 lux at F1.0 B/W : 0.05 lux at F1.0	• ACM-3401 Color: 0.5 lux at F1.0 B/W : 0.5 lux at F1.0 • ACM-3411 Color: 0.5 lux at F1.0 B/W : 0.05 lux at F1.0
Wide Dynamic Range	No	No	Yes	No
Maximum Frame Rate at Maximum Resolution	8 fps at 2032 x 1920	8 fps at 2032 x 1920	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)
Multi-Streaming	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode	Simultaneous dual steams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration
Audio	2-way	2-way	2-way	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Digital Input / Output	2/2	2/2	1/1	1/1
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP66 rated); Vandal proof	Weatherproof (IP66 rated); Vandal proof	N/A	N/A
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**
Operating Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Approvals	CE, FCC, IP66	CE, FCC, IP66	CE, FCC	CE, FCC

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
** Flush mount is identical to in-ceiling mount

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Fixed Dome Cameras

	1.3-Megapixel (HD 720p)		
Model Name	**TCM-3511**	**ACM-3511**	**ACM-3701**
Application Environment	Indoor	Indoor	Indoor / Outdoor
Compression	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Image Sensor	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS
Lens	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Fixed focal, f3.6 mm / F1.8; Fixed iris
Horizontal Viewing Angle	78.1° - 23.1°	75.4° - 22.7°	72.3°
Viewing Angle Adjustment	Pan: 0° - 330° Tilt: 30° - 90°	Pan: 0° - 330° Tilt: 30° - 90°	Pan: ± 20° Tilt: 0° - 90° Rotate: ± 15°
Lens Mount	Board mount	Board mount	Board mount (interchangeable lens)
Day / Night	Yes	Yes	No
Mechanical IR Cut Filter	Yes	Yes	No
IR LED	Yes	Yes	No
Minimum Illumination	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.5 lux at F1.0 B/W : 0.5 lux at F1.0
Wide Dynamic Range	Yes	No	No
Maximum Frame Rate at Maximum Resolution	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)
Multi-Streaming	Simultaneous dual steams based on two configurations	Multiple streams based on single configuration	Multiple streams based on single configuration
Audio	2-way	2-way	No
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Digital Input / Output	1/1	1/1	No
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	Rugged RJ-45 PoE Class 3
Environmental Casing	N/A	N/A	Weatherproof (IP66 rated) ; Vandal proof
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Approvals	CE, FCC	CE, FCC	CE, FCC, EN60950-1, EN55025, IP66, EN50155, ISO16750-3: Vibration

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
** Flush mount is identical to in-ceiling mount

Fixed Dome Cameras

	1.3-Megapixel (HD 720p)		
Model Name	**TCM-7411**	**ACM-7411**	**TCM-7811**
Application Environment	Outdoor	Outdoor	Outdoor
Compression	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG
Image Sensor	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Sony EXview HAD Progressive Scan CCD
Lens	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Vari-focal, f3 - 9 mm / F1.2; DC iris
Horizontal Viewing Angle	78.4° - 23.1°	83° - 23.8°	85.8° - 30.3°
Viewing Angle Adjustment	Pan: 0° - 360° Tilt: 0° - 180° Rotate: 0° - 360°	Pan: 0° - 360° Tilt: 0° - 180° Rotate: 0° - 360°	Pan: 0° - 360° Tilt: 10° - 90° Rotate: 0° - 360°
Day / Night	Yes	Yes	Yes
Mechanical IR Cut Filter	Yes	Yes	Yes
IR LED	No	No	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 B/W : 0.05 lux at F1.0	Color: 0.5 lux at F1.0 B/W : 0.05 lux at F1.0	Color: 0.15 lux at F1.2 B/W : 0 lux (IR LED on)
Wide Dynamic Range	Yes	No	No
Maximum Frame Rate at Maximum Resolution	18 fps at 1280 x 1024 (SXGA)	8 fps at 1280 x 1024 (SXGA)	15 fps at 1280 x 960
Multi-Streaming	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Simultaneous dual streams based on two configurations
Audio	2-way	2-way	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Digital Input / Output	1/1	1/1	1/1
Local Storage	No	No	MicroSD/SDHC memory card slot (card not included)
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP66 rated) ; Vandal proof	Weatherproof (IP66 rated) ; Vandal proof	Weatherproof (IP66 rated) ; Vandal proof
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**
Operating Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F) with DC 12V -5 °C ~ 50 °C (23 °F ~ 122 °F) with PoE	-30 °C ~ 50 °C (-22 °F ~ 122 °F) with DC 12V -5 °C ~ 50 °C (23 °F ~ 122 °F) with PoE	-30 °C ~ 50 °C (-22 °F ~ 122 °F) with DC 12V -5 °C ~ 50 °C (23 °F ~ 122 °F) with PoE
Approvals	CE, FCC, IP66	CE, FCC, IP66	CE, FCC, IP66

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCM series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
** Flush mount is identical to in-ceiling mount

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Fixed Dome Cameras

	VGA		
Model Name	**ACM-3001**	**ACM-3011**	**ACM-3601**
Application Environment	Indoor	Indoor	Indoor / Outdoor
Compression	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Image Sensor	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS	1/3" Aptina Progressive Scan CMOS
Lens	Fixed focal, f4.2 mm / F1.8; Fixed iris	Vari-focal, f3.3 - 12 mm / F1.6; Fixed iris	Fixed focal, f3.6 mm / F1.8; Fixed iris
Horizontal Viewing Angle	63.7°	75.4° - 22.7°	72.3°
Viewing Angle Adjustment	Pan: 0° - 170° Tilt: 0° - 180°	Pan: 0° - 330° Tilt: 30° - 90°	Pan: ± 20° Tilt: 0° - 90° Rotate: ± 15°
Lens Mount	Board mount (interchangeable lens)	Board mount	Board mount (interchangeable lens)
Day / Night	No	Yes	No
Mechanical IR Cut Filter	No	Yes	No
IR LED	No	Yes	No
Minimum Illumination	Color: 0.5 lux at F1.0 B/W : 0.5 lux at F1.0	Color: 0.5 lux at F1.0 B/W : 0 lux (IR LED on)	Color: 0.5 lux at F1.0 B/W : 0.5 lux at F1.0
Wide Dynamic Range	No	No	No
Maximum Frame Rate at Maximum Resolution	30 fps at 640 x 480 (VGA)	30 fps at 640 x 480 (VGA)	30 fps at 640 x 480 (VGA)
Multi-Streaming	Multiple streams based on single configuration	Multiple streams based on single configuration	Multiple streams based on single configuration
Audio	2-way	2-way	No
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Digital Input / Output	1/1	1/1	No
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	Rugged RJ-45 PoE Class 3
Environmental Casing	N/A	N/A	Weatherproof (IP66 rated) ; Vandal proof
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface, Pendant, Wall, Corner, Pole, Flush**	Surface
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Approvals	CE, FCC	CE, FCC	CE, FCC, EN60950-1, EN55025, IP66, EN50155, ISO16750-3: Vibration

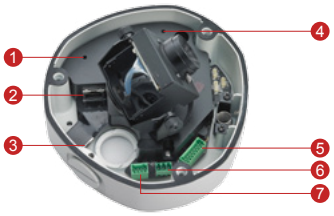
* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP,
** Flush mount is identical to in-ceiling

KCM-7111

H.264 4-Megapixel IP D/N Vandal Proof PoE Rugged Dome

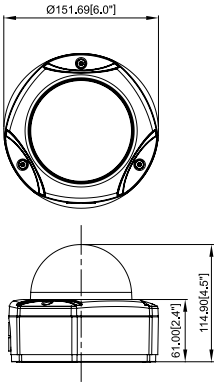
- 1/3.2” BSI Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F2.0
- Bundled f2.8 mm / F2.0 Megapixel fixed lens
- 8 fps at 2032 x 1920 resolution (1561 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Vandal proof and weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Power Button
2. Ethernet Port
3. MicroSD / Micro SDHC Card Slot
4. Reset Button
5. Digital Input / Output
6. DC 12V Power Input
7. Audio Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1101		4-inch, smoke, vandal proof

Popular Mounting Solutions		
Surface	Accessories not required	
Wall	PMAX-0308	
Pendant	PMAX-0101 PMAX-0103	
Corner	PMAX-0101 PMAX-0303 PMAX-0402	
Pole	PMAX-0101 PMAX-0303 PMAX-0502	
Flush	PMAX-1003	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Fixed Dome Camera

KCM-7111

PRODUCT SPECIFICATION

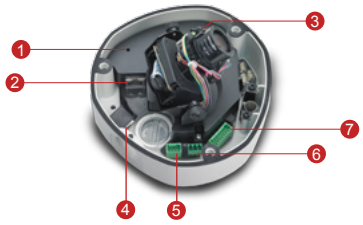
	KCM-7111
• Device	
Device Type	Fixed Dome Camera
Image Sensor	BSI Progressive Scan CMOS
Sensor Size	1/3.2 " (4.5 x 3.4 mm)
Horizontal Resolution	1561 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.1 lux at F2.0 (30 IRE, 2400°K); B/W: 0.05 lux at F2.0 (30 IRE, 2400°K)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/15 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Fixed focal, f2.8 mm / F2.0
Iris	Fixed iris
Focus	Manual Focus
Mount Type	CS Mount
Horizontal Viewing Angle	82.59°
Viewing Angle Adjustment	Pan: 0° - 360°; Tilt: 0° - 180°; Rotate: 0° - 360°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	8 fps at 2032 X 1920; 15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	5 fps at 2032 X 1920; 10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 58 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Masks	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	2, terminal block
Digital Output	2, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 10.08W DC 12V / 8.28W
Weight	1415 g (3.12 lb)
Dimensions (Ø x H)	151.69 mm x 114.9 mm (5.97" x 4.52")
Environmental Casing	Weatherproof (IP66 rated); Transparent vandal proof dome cover, up to 659.23 kgF (1453.35 lbF)
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-20°C ~ 50°C (-4 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV In tegration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

KCM-7211

3.6x Zoom H.264 4-Megapixel IP D/N Vandal proof PoE Rugged Dome with P-Iris

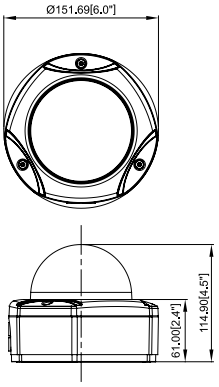
- 1/3.2” BSI Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F1.4
- 3.6 x optical zoom
- Built-in f3.3-12 mm / F1.4 Megapixel P-Iris zoom lens
- 8 fps at 2032 x 1920 resolution (1373 TV lines)
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels
- Two-way audio
- Digital input and digital output
- Video Motion Detection
- Vandal proof and weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Power Button
2. Ethernet Port
3. Reset Button
4. MicroSD / MicroSDHC Card Slot
5. Audio Input / Output
6. DC 12V Power Input
7. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1101		4-inch, smoke, vandal proof

Popular Mounting Solutions	
Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1003

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Fixed Dome Camera

KCM-7211

PRODUCT SPECIFICATION

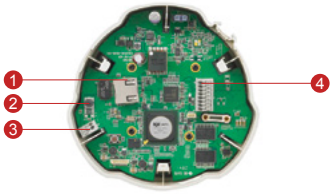
	KCM-7211
• Device	
Device Type	Fixed Dome Camera
Image Sensor	BSI Progressive Scan CMOS
Sensor Size	1/3.2 " (4.5 x 3.4 mm)
Horizontal Resolution	1373 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.1 lux at F1.4 (30 IRE, 2400°K); B/W: 0.05 lux at F1.4 (30 IRE, 2400°K)
Color to B/W switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/15 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
• Lens	
Focal Length	Zoom, f3.3 - 12 mm / F1.4 - 2.9
Zoom Ratio	3.6x optical
Zoom Speed	2 sec (1x to 3.6x)
Iris	P-Iris
Focus	Auto Focus
Mount Type	Board Mount
Horizontal Viewing Angle	77.22° - 22.62°
Viewing Angle Adjustment	Pan: 0° - 360°; Tilt: 0° - 180°; Rotate: 0° - 360°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution (H.264, MJPEG)	8 fps at 2032 X 1920; 15 fps at 1920 X 1080 (HD 1080p); 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
Maximum Frame Rate vs. Resolution (MPEG-4 SP)	5 fps at 2032 X 1920; 10 fps at 1920 X 1080 (HD 1080p); 24 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA)
4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480 (VGA)
Multi-Streaming	Simultaneous dual streams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 65 dB
Image Enhancement	White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; Digital noise reduction; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
Alarm Response	Notify control center; Go to Zoom preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	2, terminal block
Digital Output	2, terminal block
Local Storage	MicroSD/SDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 12W DC 12V / 9.6W
Weight	1200 g (2.65 lb)
Dimensions (Ø x H)	151.69 mm x 114.9 mm (5.97" x 4.52")
Environmental Casing	Weatherproof (IP66 rated); Transparent vandal proof dome cover, up to 659.23 kgF (1453.35 lbF)
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-20°C ~ 50°C (-4 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

TCM-3401/TCM-3411

H.264 Megapixel IP PoE Fixed Dome / H.264 Megapixel IP D/N PoE Fixed Dome

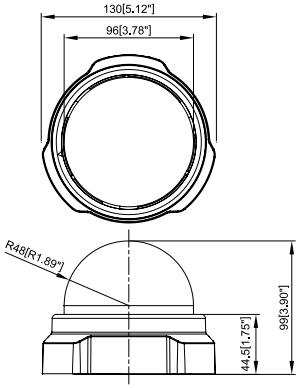
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter (TCM-3411)
- Minimum illumination 0.5 Lux at F1.0 (TCM-3401) / 0.05 Lux at F1.0 (TCM-3411)
- Built-in f4.2mm / F1.8 Megapixel fixed lens (It is possible to replace the bundled lens with the optional lens for TCM-3401)
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Digital input and digital output
- Wide Dynamic Range
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet Port
2. Reset Button
3. DC 12V Power Input
4. Audio Input / Output & Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens

PLEN-0112		Fixed Iris, F2.0, 2.4 mm, 108.7° (For TCM-3401 only)

Dome Cover

PDCX-0101		3-inch, smoke, non-vandal proof

Popular Mounting Solutions

Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1006

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-3401/TCM-3411

PRODUCT SPECIFICATION

	TCM-3401	TCM-3411
• Device		
Device Type	Fixed Dome Camera	
Image Sensor	Aptina Progressive Scan CMOS	
Sensor Size	1/3" (4.8 x 3.6 mm)	
Day / Night	No	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.05 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable	CDS sensor based switch, configurable DSP based switch, configurable
Mechanical IR Cut Filter	No	Yes
IR Sensitivity Range	No	700 - 1100 nm
IR LED	No	
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)	
• Lens**		
Focal Length	Fixed focal, f4.2 mm / F1.8	
Iris	Fixed iris	
Focus	Fixed focus	
Mount Type	Board mount (Interchangeable lens)	Board mount
Horizontal Viewing Angle	64.7°	
Viewing Angle Adjustment	Pan: 0° - 170°; Tilt: 0° - 180°	
• Video		
Compression	H.264, MPEG-4 SP, MJPEG	
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)	
Multi-Streaming	Simultaneous dual streams based on two configurations	
Bit Rate	28 Kbps - 6 Mbps (per stream)	
Bit Rate Mode	Constant, Variable	
S/N Ratio	More than 44 dB	
Image Enhancement	Wide dynamic range; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless	
Privacy Mask	4 configurable regions	
Text Overlay	User defined text on video	
Image Orientation	Image flip and mirror	
• Audio		
Compression	8 kHz, Mono, PCM, 16 bit encoding	
Audio-In	Terminal block	
Audio-Out	Terminal block	
• Network		
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector al block	
Security	IP address filtering; HTTPS encryption; Password protected user levels	
• Alarm		
Alarm Trigger	Video motion detection (3 regions); External device through digital input	
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output	
• Interface		
Digital Input	1, terminal block	
Digital Output	1, terminal block	
• General		
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 6.72 W; DC 12V / 4.8 W; PoE Class 3 (IEEE802.3af) / 6.72 W	
Weight	350 g (0.7 lb)	
Dimensions (Ø x H)	130 mm x 99 mm (5.12" x 3.90")	
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush	
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	
Operating Humidity	10% ~ 85% RH	
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC	
• Integration		
Unified Solution	Fully compatible with ACTi software	
ISV Integration	Software Development Kit (SDK) available	
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer	

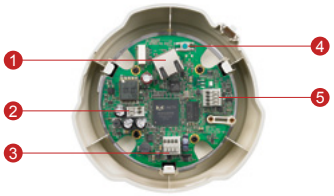
** It is possible to replace the bundled lens with the optional lens for TCM-3401

ACM-3401/ACM-3411

Megapixel IP PoE Fixed Dome / Megapixel IP D/N PoE Fixed Dome

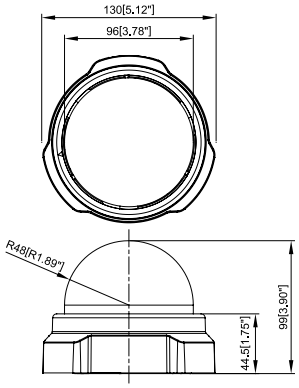
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter (ACM-3411)
- Minimum illumination 0.5 Lux at F1.0 (ACM-3401) / 0.05 Lux at F1.0 (ACM-3411)
- Built-in f4.2 mm / F1.8 Megapixel fixed lens (It is possible to replace the bundled lens with the optional lens for ACM-3401)
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet port
2. DC 12V Power Input
3. Audio Input / Output
4. Reset button
5. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0112		Fixed Iris, F2.0, 2.4 mm, 108.7° (For ACM-3401 only)

Dome Cover		
PDCX-0101		3-inch, smoke, non-vandal proof

Popular Mounting Solutions		
Surface	Accessories not required	
Wall	PMAX-0308	
Pendant	PMAX-0101 PMAX-0103	
Corner	PMAX-0101 PMAX-0303 PMAX-0402	
Pole	PMAX-0101 PMAX-0303 PMAX-0502	
Flush	PMAX-1006	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-3401/ACM-3411

PRODUCT SPECIFICATION

	ACM-3401	ACM-3411
• Device		
Device Type	Fixed Dome Camera	
Image Sensor	Aptina Progressive Scan CMOS	
Sensor Size	1/3" (4.8 x 3.6 mm)	
Day / Night	No	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)	Color: 0.5 lux at F1.0 (30 IRE, 2400°K) B/W: 0.05 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable	CDS sensor based switch
Mechanical IR Cut Filter	No	Yes
IR Sensitivity Range	No	700 - 1100 nm
IR LED	No	
Electronic Shutter	1/30 - 1/1,000 sec (60 Hz); 1/25 - 1/1,000 sec (50 Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)	
• Lens**		
Focal Length	Fixed focal, f4.2 mm / F1.8	
Iris	Fixed iris	
Focus	Fixed focus	
Mount Type	Board mount (Interchangeable lens)	Board mount
Horizontal Viewing Angle	63.7°	
Viewing Angle Adjustment	Pan: 0° - 170°; Tilt: 0° - 180°	
• Video		
Compression	MPEG-4 SP, MJPEG	
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)	
Multi-Streaming	Multiple streams based on single configuration	
Bit Rate	28 Kbps - 3 Mbps (per stream)	
Bit Rate Mode	Constant, Variable	
S/N Ratio	More than 44 dB	
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless	
Privacy Mask	1 configurable region	
Text Overlay	User defined text on video	
Image Orientation	Image flip and mirror	
• Audio		
Compression	8 kHz, Mono, PCM, 16 bit encoding	
Audio-In	Terminal block	
Audio-Out	Terminal block	
• Network		
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector	
Security	IP address filtering; HTTPS encryption; Password protected user levels	
• Alarm		
Alarm Trigger	Video motion detection (3 regions); External device through digital input	
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output	
• Interface		
Digital Input	1, terminal block	
Digital Output	1, terminal block	
• General		
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.3 W DC 12V / 3.3 W	
Weight	350 g (0.7 lb)	
Dimensions (Ø x H)	130 mm x 99 mm (5.12" x 3.90")	
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush	
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	
Operating Humidity	10% ~ 85% RH	
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC	
• Integration		
Unified Solution	Fully compatible with ACTi software	
ISV Integration	Software Development Kit (SDK) available	
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer	

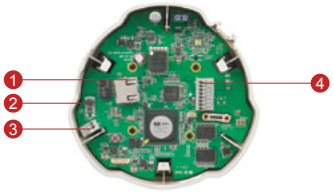
** It is possible to replace the bundled lens with the optional lens for ACM-3401

TCM-3511

H.264 Megapixel IP IR D/N PoE Fixed Dome with Vari-focal Lens

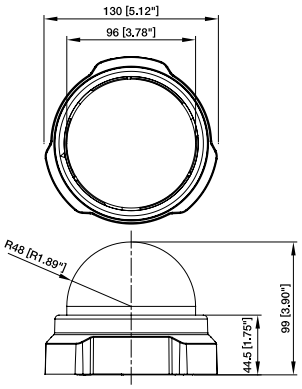
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3~12mm / F1.6 Megapixel vari-focal lens
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet Port
2. Reset Button
3. DC 12V Power Input
4. Audio Input / Output & Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-0100		3-inch, smoke, non-vandal proof

Popular Mounting Solutions	
Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1006

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-3511

PRODUCT SPECIFICATION

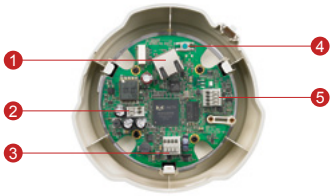
	TCM-3511
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch, configurable; DSP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	78.1° - 23.1°
Viewing Angle Adjustment	Pan: 0° - 330°; Tilt: 30° - 90°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual steams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	Wide dynamic range; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control cente; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 9.12 W (IR on) DC 12 V / 6.72 W (IR on)
Weight	380 g (0.84 lb)
Dimensions (Ø x H)	130 mm x 99 mm (5.12" x 3.90")
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-3511

Megapixel IP IR D/N PoE Fixed Dome with Vari-focal Lens

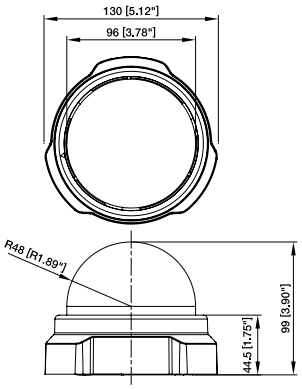
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3 ~ 12 mm / F1.6 Megapixel vari-focal lens
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet port
2. DC 12V Power Input
3. Audio Input / Output
4. Reset button
5. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-0100		3-inch, smoke, non-vandal proof

Popular Mounting Solutions	
Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1006

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-3511

PRODUCT SPECIFICATION

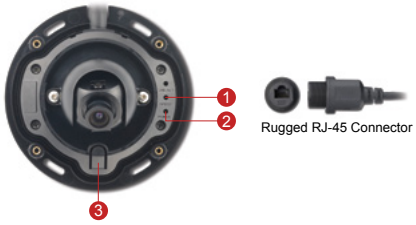
	ACM-3511
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (50Hz) (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	75.4° - 22.7°
Viewing Angle Adjustment	Pan: 0° - 330°; Tilt: 30° - 90°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 6.8 W (IR on) DC 12 V / 5.0 W (IR on)
Weight	380 g (0.84 lb)
Dimensions (Ø x H)	130 mm x 99 mm (5.12" x 3.90")
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-3701

Megapixel IP Vandal Proof PoE Mini Dome

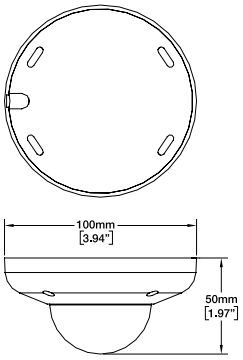
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 lux at F1.0
- Built-in f3.6 mm / F1.8 Megapixel fixed lens (It is possible to replace the bundled lens with the optional lens for this model)
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Video motion detection
- Vandal proof and weatherproof IP66 rated casing
- Compliant with EN50155 for railway application
- Powered by PoE Class 3

PHOTO INDICATION



1 Ethernet LED
2 Power LED
3 Reset Button

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0111		Fixed Iris, F2.0, 2.4 mm, 110.6º

Dome Cover		
PDCX-1102		2-inch, smoke, vandal proof

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-3701

PRODUCT SPECIFICATION

	ACM-3701
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
IR LED	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens**	
Focal Length	Fixed focal, f3.6 mm / F1.8
Iris	Fixed iris
Focus	Fixed focus
Mount Type	Board mount (Interchangeable lens)
Horizontal Viewing Angle	72.3°
Viewing Angle Adjustment	Pan: ± 20°; Tilt: 0° - 90°; Rotate: ± 15°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions)
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 2.4 W
Weight	220 g (0.48 lb)
Dimensions (Ø x H)	100 mm x 50 mm (3.94" x 1.97")
Environmental Casing	Weatherproof (IP66 rated) ; Transparent vandal proof dome cover, up to 722.66 kgF (328.09 lbF)
Mount Type	Surface
Operating Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, EN60950-1, EN55025, IP66, EN50155, ISO16750-3 : Vibration Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

** It is possible to replace the bundled lens with the optional lens for this model

TCM-7411

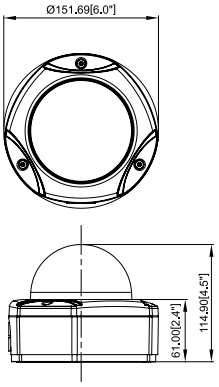
H.264 Megapixel IP D/N Outdoor Vandal Proof PoE Rugged Dome

- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 Lux at F1.0
- Built-in f3.3 - 12 mm / F1.6 Megapixel vari-focal lens
- 18 fps at 1280 x 1024 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range
- Vandal proof and weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION

1. Ethernet Port
2. DC 12V Power Input
3. Reset Button
4. Audio Input / Output & Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1101		4-inch, smoke, vandal proof

Popular Mounting Solutions		
Surface	Accessories not required	
Wall	PMAX-0308	
Pendant	PMAX-0101 PMAX-0103	
Corner	PMAX-0101 PMAX-0303 PMAX-0402	
Pole	PMAX-0101 PMAX-0303 PMAX-0502	
Flush	PMAX-1003	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-7411

PRODUCT SPECIFICATION

	TCM-7411
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0.05 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	CDS sensor based switch, configurable; DSP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	78.4° - 23.1°
Viewing Angle Adjustment	Pan: 0° - 360°; Tilt: 0° - 180°; Rotate: 0° - 360°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	18 fps at 1280 x 1024 (SXGA); 26 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	Wide dynamic range; White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 6.24 W (heater and fan off) PoE Class 3 (IEEE802.3af) / 7.68W (fan on) DC 12V / 4.8 W (heater and fan off) DC 12V / 13.68 W (heater and fan on)
Weight	1040 g (2.29 lb)
Dimensions (Ø x H)	151.69 mm x 114.9 mm (6.0" x 4.5")
Environmental Casing	Weatherproof (IP66 rated); Transparent vandal proof dome cover, up to 659.23 kgF (1453.35 lbF)
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F) for DC 12V -5 °C ~ 50 °C (23 °F ~ 122 °F) for PoE
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-7411

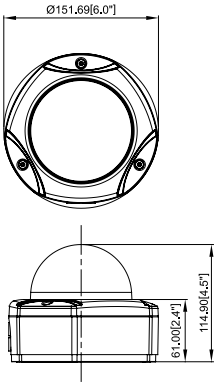
Megapixel IP D/N Outdoor Vandal Proof PoE Rugged Dome

- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F1.0
- Built-in f3.3~12 mm / F1.6 Megapixel vari-focal lens
- 8 fps at 1280 x 1024 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Digital input and digital output
- Vandal proof and weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION

1. Ethernet Port
2. DC 12V Power Input
3. Reset Button
4. Audio Input / Output & Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1101		4-inch, smoke, vandal proof

Popular Mounting Solutions	
Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1003

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-7411

PRODUCT SPECIFICATION

	ACM-7411
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0.05 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	CDS sensor based switch
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	83° - 23.8°
Viewing Angle Adjustment	Pan: 0° - 360°; Tilt: 0° - 180°; Rotate: 0° - 360°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	8 fps at 1280 x 1024 (SXGA); 10 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.8 W (heater and fan off) PoE Class 3 (IEEE802.3af) / 5.76 W (fan on) DC 12V / 2.64 W (heater and fan off) DC 12V / 11.52 W (heater and fan on)
Weight	1040 g (2.29 lb)
Dimensions (Ø x H)	151.69 mm x 114.9 mm (6.0" x 4.5")
Environmental Casing	Weatherproof (IP66 rated); Transparent vandal proof dome cover, up to 659.23 kgF (1453.35 lbF)
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F) for DC 12V -5 °C ~ 50 °C (23 °F ~ 122 °F) for PoE
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

TCM-7811

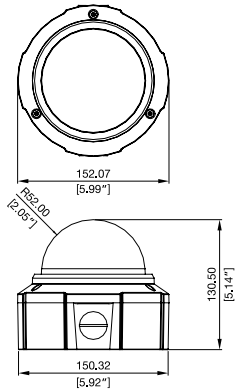
H.264 Megapixel IP IR D/N CCD Vandal Proof Outdoor PoE Fixed Dome

- 1/3” Sony EXview HAD Progressive Scan CCD
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3-9 mm / F1.2 Megapixel DC iris vari-focal lens
- 15 fps at 1280 x 960 resolution
- Selectable H.264, MPEG-SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- MicroSD/SDHC card slot for local storage
- Vandal proof and weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION

1. Ethernet Port
2. Reset Button
3. Power Button
4. Audio & Digital Input / Output
5. DC 12V Power Input
6. MicroSD / MicroSDHC Card Slot

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1104		4-inch, smoke, vandal proof

Popular Mounting Solutions		
Surface	Accessories not required	
Wall	PMAX-0308	
Corner	PMAX-0101 PMAX-0303 PMAX-0402	
Flush	PMAX-1004	
Pendant	PMAX-0101 PMAX-0103	
Pole	PMAX-0101 PMAX-0303 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Fixed Dome Camera

TCM-7811

PRODUCT SPECIFICATION

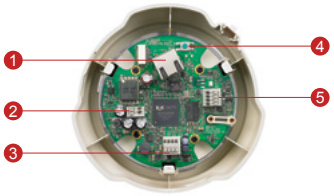
	TCM-7811
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Sony EXview HAD Progressive Scan CCD
Sensor Size	1/3" (4.8 x 3.6 mm)
Horizontal Resolution	900 TVL
Day / Night	Yes
Minimum Illumination	Color: 0.15 lux at F1.2 (30 IRE, Max. AGC); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	IR LED x 31 (850 nm)
IR Working Distance	40 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/60 - 1/10,000 sec (60Hz); 1/50 - 1/10,000 sec (50Hz) (manual mode) 2 - 1/100,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3 - 9 mm / F1.2
Iris	DC iris
Focus	Manual focus
Horizontal Viewing Angle	85.8° - 30.3°
Viewing Angle Adjustment	Pan: 0° - 360°; Tilt: 10° - 90°; Rotate: 0° - 360°
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	15 fps at 1280 x 960; 30 fps at 1280 x 720 (HD 720p); 30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 50 dB
Image Enhancement	Backlight compensation; White balance: automatic, hold, predefined and manual; Brightness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
Local Storage	MicroSD / MicroSDHC memory card slot (card not included)
• General	
Power Source / Cons umption	PoE Class 3 (IEEE802.3af) / 11.52 W (heater and fan off) PoE Class 3 (IEEE802.3af) / 12.96 W (fan on) DC 12V / 8.76 W (heater and fan off) DC 12V / 10.8 W (heater and fan on)
Weight	1420 g (3.13 lb)
Dimensions (Ø x H)	152.00 mm x 131.50 mm (5.98" x 5.18")
Environmental Casing	Weatherproof (IP66 rated); Transparent vandal proof dome cover, up to 1743.68 kgF (3844.16 lbF)
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
Operating Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F) for DC 12V -5 °C ~ 50 °C (23 °F ~ 122 °F) for PoE
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-3001

IP PoE Fixed Dome

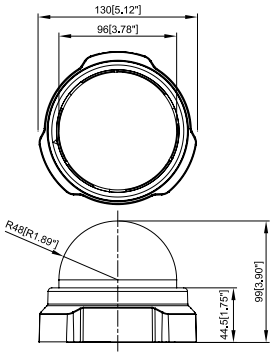
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 lux at F1.8
- Built-in f4.2 mm / F1.8 fixed lens
  (It is possible to replace the bundled lens with the optional lens for this model)
- 30 fps at 640 x 480 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet port
2. DC 12V Power Input
3. Audio Input / Output
4. Reset button
5. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0112		Fixed Iris, F2.0, 2.4 mm, 108.7°

Dome Cover		
PDCX-0101		3-inch, smoke, non-vandal proof

Popular Mounting Solutions	
Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1006

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Fixed Dome Camera

ACM-3001

PRODUCT SPECIFICATION

	ACM-3001
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
IR LED	No
Electronic Shutter	1/30 - 1/1,000 sec (60 Hz); 1/25 - 1/1,000 sec (50 Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens**	
Focal Length	Fixed focal, f4.2 mm / F1.8
Iris	Fixed iris
Focus	Fixed Focus
Mount Type	Board mount (Interchangeable lens)
Horizontal Viewing Angle	63.7°
Viewing Angle Adjustment	Pan: 0° - 170°; Tilt: 0° - 180°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28Kbps - 3Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 4.3 W; DC 12V / 3.3 W
Weight	350 g (0.7 lb)
Dimensions (Ø x H)	130 mm x 99 mm (5.12" x 3.90")
Mount Type	Surface, Flush, Wall, Pendant, Pole, Corner
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

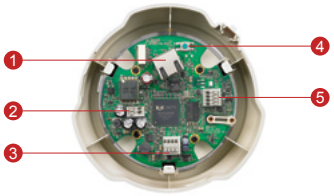
** It is possible to replace the bundled lens with the optional lens for this model

ACM-3011

IP IR D/N PoE Fixed Dome

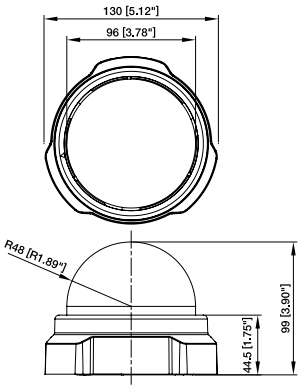
- 1/3” Aptina Progressive Scan CMOS
- Day and night function with mechanical IR cut filter
- Minimum illumination 0 lux with IR LED on
- Built-in f3.3-12 mm / F1.6 vari-focal lens
- 30 fps at 640 x 480 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Powered by PoE Class 3 / DC 12V

PHOTO INDICATION



1. Ethernet port
2. DC 12V Power Input
3. Audio Input / Output
4. Reset button
5. Digital Input / Output

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-0100		3-inch, smoke, non-vandal proof

Popular Mounting Solutions	
Surface	Accessories not required
Wall	PMAX-0308
Pendant	PMAX-0101 PMAX-0103
Corner	PMAX-0101 PMAX-0303 PMAX-0402
Pole	PMAX-0101 PMAX-0303 PMAX-0502
Flush	PMAX-1006

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-3011

PRODUCT SPECIFICATION

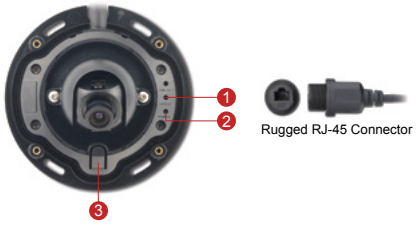
	ACM-3011
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	Yes
Minimum Illumination	Color: 0.5 lux at F1.0 (2400 °K, 30 IRE); B/W: 0 lux (IR LED on)
Color to B/W switch	CDS sensor based switch
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 nm - 1100 nm
IR LED	IR LED x 24 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Max Exposure Gain)
Electronic Shutter	1/30 - 1/1,000 sec (60 Hz); 1/25 - 1/1,000 sec (50 Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens	
Focal Length	Vari-focal, f3.3 - 12 mm / F1.6
Iris	Fixed iris
Focus	Manual focus
Horizontal Viewing Angle	75.4° - 22.7°
Viewing Angle Adjustment	Pan: 0° - 330°; Tilt: 30° - 90°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28Kbps - 3Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block
Audio-Out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, terminal block
Digital Output	1, terminal block
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 6.8 W (IR on) DC 12V / 5.0 W (IR on)
Weight	380 g (0.84 lb)
Dimensions (Ø x H)	130 mm x 99 mm (5.12" x 3.90")
Mount Type	Surface, Flush, Wall, Pendant, Pole, Corner
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

ACM-3601

IP Vandal Proof PoE Mini Dome

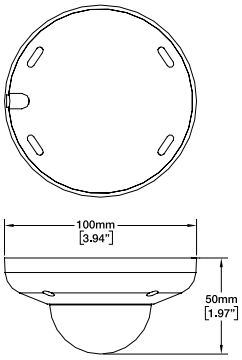
- 1/3” Aptina Progressive Scan CMOS
- Minimum illumination 0.5 lux at F1.0
- Built-in f3.6 mm / F1.8 fixed lens
  (It is possible to replace the bundled lens with the optional lens for this model)
- 30 fps at 640 x 480 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Video motion detection
- Vandal proof and weatherproof IP66 rated casing
- Compliant with EN50155 for railway application
- Powered by PoE Class 3

PHOTO INDICATION



1 Ethernet LED
2 Power LED
3 Reset Button

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Lens		
PLEN-0111		Fixed Iris, F2.0, 2.4 mm, 110.6º

Dome Cover		
PDCX-1102		2-inch, smoke, vandal proof

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACM-3601

PRODUCT SPECIFICATION

	ACM-3601
• Device	
Device Type	Fixed Dome Camera
Image Sensor	Aptina Progressive Scan CMOS
Sensor Size	1/3" (4.8 x 3.6 mm)
Day / Night	No
Minimum Illumination	Color: 0.5 lux at F1.0 (30 IRE, 2400°K); B/W: 0.5 lux at F1.0 (30 IRE, 2400°K)
Color to B/W switch	DSP based switch, configurable
Mechanical IR Cut Filter	No
IR Sensitivity Range	No
IR LED	No
Electronic Shutter	1/30 - 1/1,000 sec (60Hz); 1/25 - 1/1,000 sec (50Hz) (manual mode) 1/5 - 1/15,000 sec (auto mode)
• Lens**	
Focal Length	Fixed focal, f3.6 mm / F1.8
Iris	Fixed iris
Focus	Fixed focus
Mount Type	Board mount (Interchangeable lens)
Horizontal Viewing Angle	72.3°
Viewing Angle Adjustment	Pan: ± 20°; Tilt: 0° - 90°; Rotate: ± 15°
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 640 x 480 (VGA); 30 fps at 320 x 240 (QVGA); 30 fps at 160 x 112 (QQVGA)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
S/N Ratio	More than 44 dB
Image Enhancement	White balance: automatic, hold, predefined and manual; Brightness; Saturation; Contrast; Sharpness; Automatic gain control; Auto exposure: automatic, predefined and manual; Flickerless
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP , Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions)
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 2.4 W
Weight	220 g (0.48 lb)
Dimensions (Ø x H)	100 mm x 50 mm (3.94" x 1.97")
Environmental Casing	Weatherproof (IP66 rated) ; Transparent vandal proof dome cover, up to 722.66 kgF (328.09 lbF)
Mount Type	Surface
Operating Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Camera: CE, FCC, EN60950-1, EN55025, IP66, EN50155, ISO16750-3 : Vibration Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

** It is possible to replace the bundled lens with the optional lens for this model

Speed Dome Cameras

	D1	
Model Name	**TCM-6610/TCM-6630**	**CAM-6610/CAM-6630**
Application Environment	Outdoor	Outdoor
Compression	H.264, MPEG-4 SP, MJPEG	MPEG-4 ASP
Image Sensor	TCM-6610: 1/4" Sony EXview HAD Interlaced Scan CCD TCM-6630: 1/4" Hitachi Progressive Scan CCD	CAM-6610: 1/4" Sony EXview HAD Interlaced Scan CCD CAM-6630: 1/4" Hitachi Progressive Scan CCD
Zoom Ratio	TCM-6610: 18x optical; 12x digital TCM-6630: 35x optical; 12x digital	CAM-6610: 18x optical; 12x digital CAM-6630: 35x optical; 12x digital
Lens	TCM-6610: f4.1-73.8 mm / F1.4 - 3.0; Auto iris TCM-6630: f3.4-119 mm / F1.4 - 4.2; Auto iris	CAM-6610: f4.1-73.8 mm / F1.4 - 3.0; Auto iris CAM-6630: f3.4-119 mm / F1.4 - 4.2; Auto iris
Horizontal Viewing Angle	TCM-6610: 48° - 2.8° TCM-6630: 55.8° - 1.7°	CAM-6610: 48° - 2.8° CAM-6630: 55.8° - 1.7°
Panning Range	0° ~ 360° endless	0° ~ 360° endless
Tilting Range	-10° ~ 100°	-10° ~ 100°
Day / Night	Yes	Yes
Mechanical IR Cut Filter	Yes	Yes
IR LED	No	No
Minimum Illumination	• TCM-6610 Color: 0.1 lux at F1.4 B/W : 0.01 lux at F1.4 • TCM-6630 Color: 0.1 lux at F1.4 B/W : 0.01 lux at F1.4	• CAM-6610 Color: 0.1 lux at F1.4 B/W : 0.01 lux at F1.4 • CAM-6630 Color: 0.1 lux at F1.4 B/W : 0.01 lux at F1.4
Wide Dynamic Range	TCM-6610: No TCM-6630: Yes	CAM-6610: No CAM-6630: Yes
PTZ Control	Manual; 256 preset points; 8 preset tours; auto scan	Manual; 256 preset points; 8 preset tours; auto scan
Maximum Frame Rate at Maximum Resolution	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)
Multi-Streaming	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration
Audio	2-way	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Analog Video Output	Yes	Yes
Digital Input / Output	8/1**	8/1**
Power Source	AC 24V	AC 24V
Environmental Casing	Weatherproof (IP66 rated)	Weatherproof (IP66 rated)
Mount Type	Pendant, Wall, Corner, Pole	Pendant, Wall, Corner, Pole
Operating Temperature	-45 °C ~ 50 °C (-49 °F ~ 122 °F)	-45 °C ~ 50 °C (-49 °F ~ 122 °F)
Approvals	CE, FCC, IP66	CE, FCC, IP66

* Full list of supported protocals include: TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP, FTP, SMTP, DNS, DDNS, NTP, ICMP, IGMP, ARP, HTTPS, UPnP
** 8 alarm inputs and 1 alarm output support local event function. 2 alarm inputs support remote event function

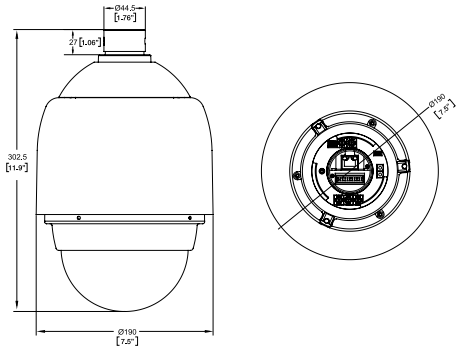
* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCM-6610/TCM-6630

18x Zoom H.264 IP D/N Outdoor Speed Dome/35x Zoom H.264 IP D/N Outdoor Speed Dome

- 1/4” Sony EXview HAD Interlaced Scan CCD (TCM-6610) / 1/4” Hitachi Progressive Scan CCD (TCM-6630)
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.01 lux at F1.4
- 18x optical zoom (TCM-6610) / 35x optical zoom (TCM-6630)
- 25/30 fps at full D1 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range (TCM-6630)
- Analog video output with 530 TVL (TCM-6610) / 540 TVL (TCM-6630)
- Weatherproof IP66 rated casing
- TCM-6610N/ TCM-6630N (NTSC)
- TCM-6610P/ TCM-6630P (PAL)

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1001		5.8-inch, transparent, vandal proof
PDCX-0001		5.8-inch, transparent, non-vandal proof
PDCX-0103		5.8-inch, smoke, non-vandal proof

Popular Mounting Solutions		
Wall	PMAX-0307	
Pendant	PMAX-0109	
Corner	PMAX-0306 PMAX-0402	
Pole	PMAX-0306 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer’s Guide or Project Planner on www.acti.com

TCM-6610/TCM-6630

PRODUCT SPECIFICATION

	TCM-6610	TCM-6630
• Device		
Device Type	Speed Dome Camera	
Image Sensor	Sony EXview HAD Interlaced Scan CCD	Hitachi Progressive Scan CCD
Sensor Size	1/4" (3.2 x 2.4 mm)	
Horizontal Resolution	530 TVL	540 TVL
Day / Night	Yes	
Minimum Illumination	Color: 0.1 lux; B/W: 0.01 lux	Color: 0.1 lux; B/W: 0.01 lux
Color to B/W switch	DSP based switch, configurable	
Mechanical IR Cut Filter	Yes	
IR Sensitivity Range	700 - 1100 nm	
IR LED	No	
Electronic Shutter	1/1 - 1/10,000 sec (NTSC/PAL)	1/1 - 1/30,000 sec (NTSC/PAL)
• Lens		
Focal Length	Zoom, f4.1 - 73.8 mm / F1.4 - 3.0	Zoom, f3.4 - 119 mm / F1.4 - 4.2
Iris	Auto iris	
Focus	Auto focus	
Horizontal Viewing Angle	48° - 2.8°	55.8° - 1.7°
• PTZ		
Zoom Ratio	18x optical; 12x digital	35x optical; 12x digital
Zoom Speed	2.1 sec (1x to 18x)	4.6 sec (1x to 35x)
Manual Panning Speed	1° ~ 90° /s	
Manual Tilting Speed	1° ~ 90° /s	
Preset Panning Speed	5° ~ 400° /s	
Preset Tilting Speed	5° ~ 400° /s	
Panning Range	0° ~ 360° endless	
Tilting Range	-10° ~ 100°	
Control	Remote manual control; 256 preset points; 8 preset tours; auto scan	
Preset Panning Accuracy	0.225°	
Preset Tilting Accuracy	0.45°	
Absolute Positon	Yes	
Protocol	DSCP, Pelco P, Pelco D, AD422, Philips, Kalatel, VCL, JVC, etc.	
• Video		
Compression	H.264, MPEG-4 SP, MJPEG	
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)	
Multi-Streaming	Simultaneous dual streams based on two configurations	
Bit Rate	28 Kbps - 6 Mbps (per stream)	
Bit Rate Mode	Constant, Variable	
S/N Ratio	More than 50 dB	
Image Enhancement	Backlight compensation; White balance: automatic, predefined and manual; Brightness; Saturation; Contrast ; Automatic gain control	Wide dynamic range; Backlight compensation; White balance: automatic, predefined and manual; Brightness; Saturation; Contrast ; Automatic gain control
Privacy Mask	24 configurable regions	8 configurable regions
Text Overlay	User defined text on video	
Image Orientation	Image flip and mirror	
• Audio		
Compression	8 kHz, Mono, PCM, 16 bit encoding	
Audio-In	3.5 mm Phone Jack	
Audio-Out	3.5 mm Phone Jack	
• Network		
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP	
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector	
Security	IP address filtering; HTTPS encryption; Password protected user levels	
• Alarm		
Alarm Trigger	Video motion detection (3 regions); External device through digital input	
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output	
• Interface		
Analog Video Output	1, CVBS, 1.0Vp-p with 75 Ω BNC connector	
Digital Input	8, terminal block	
Digital Output	1, terminal block	
• General		
Power Source / Consumption	AC 24V / 65 W (heater on)	
Weight	5800 g (12.9 lb)	
Dimensions (Ø x H)	172 mm x 302.5 mm (6.7" x 11.9"); 190 mm x 302.5 mm (7.5" x 11.9") with sunshield	
Environmental Casing	Weatherproof (IP66 rated); Transparent dome cover	
Mount Type	Pendant, Wall, Corner, Pole	
Operating Temperature	-45 °C ~ 50 °C (-49 °F ~ 122 °F)	
Operating Humidity	10% ~ 85% RH	
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC	
• Integration		
Unified Solution	Fully compatible with ACTi software	
ISV Integration	Software Development Kit (SDK) available	
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer	

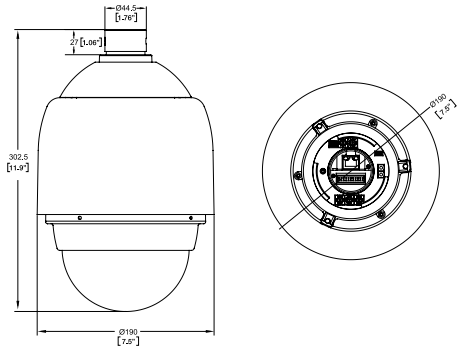
* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

CAM-6610/CAM-6630

18x Zoom IP D/N Outdoor Speed Dome / 35x Zoom IP D/N Outdoor Speed Dome

- 1/4” Sony EXview HAD Interlaced Scan CCD (CAM-6610) / 1/4” Hitachi Progressive Scan CCD (CAM-6630)
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.01 lux at F1.4
- 18x optical zoom (CAM-6610) / 35x optical zoom (CAM-6630)
- 25/30 fps at full D1 resolution
- MPEG-4 ASP compression
- Two-way audio
- Video motion detection
- Digital input and digital output
- Wide Dynamic Range (CAM-6630)
- Analog video output with 530 TVL (CAM-6610) / 540 TVL (CAM-6630)
- Weatherproof IP66 rated casing
- CAM-6610N / CAM-6630N (NTSC)
- CAM-6610P / CAM-6630P (PAL)

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Dome Cover		
PDCX-1001		5.8-inch, transparent, vandal proof
PDCX-0001		5.8-inch, transparent, non-vandal proof
PDCX-0103		5.8-inch, smoke, non-vandal proof

Popular Mounting Solutions		
Wall	PMAX-0307	
Pendant	PMAX-0109	
Corner	PMAX-0306 PMAX-0402	
Pole	PMAX-0306 PMAX-0502	

* For more mounting solutions, please refer to Mounting Accessory section of Buyer's Guide or Project Planner on www.acti.com

CAM-6610/CAM-6630

PRODUCT SPECIFICATION

	CAM-6610	CAM-6630
• Device		
Device Type	Speed Dome Camera	
Image Sensor	Sony EXview HAD Interlaced Scan CCD	Hitachi Progressive Scan CCD
Sensor Size	1/4" (3.2 x 2.4 mm)	
Horizontal Resolution	530 TVL	540 TVL
Day / Night	Yes	
Minimum Illumination	Color: 0.1 lux; B/W: 0.01 lux	Color: 0.1 lux; B/W: 0.01 lux
Color to B/W switch	DSP based switch, configurable	
Mechanical IR Cut Filter	Yes	
IR Sensitivity Range	700 - 1100 nm	
IR LED	No	
Electronic Shutter	1/1 - 1/10,000 sec (NTSC/PAL)	1/1 - 1/30,000 sec (NTSC/PAL)
• Lens		
Focal Length	Zoom, f4.1 - 73.8 mm / F1.4 - 3.0	Zoom, f3.4 - 119 mm / F1.4 - 4.2
Iris	Auto iris	
Focus	Auto focus	
Horizontal Viewing Angle	48° - 2.8°	55.8° - 1.7°
• PTZ		
Zoom Ratio	18x optical; 12x digital	35x optical; 12x digital
Zoom Speed	2.1 sec (1x to 18x)	4.6 sec (1x to 35x)
Manual Panning Speed	1° ~ 90° /s	
Manual Tilting Speed	1° ~ 90° /s	
Preset Panning Speed	5° ~ 400° /s	
Preset Tilting Speed	5° ~ 400° /s	
Panning Range	0° ~ 360° endless	
Tilting Range	-10° ~ 100°	
Control	Remote manual control; 256 preset points; 8 preset tours; auto scan	
Preset Panning Accuracy	0.225°	
Preset Tilting Accuracy	0.45°	
Absolute Positon	Yes	
Protocol	DSCP, Pelco P, Pelco D, AD422, Philips, Kalatel, VCL, JVC, etc.	
• Video		
Compression	MPEG-4 ASP	
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL); 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL); 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)	
Multi-Streaming	Multiple streams based on single configuration	
Bit Rate	28 Kbps - 3 Mbps (per stream)	
Bit Rate Mode	Constant, Variable	
S/N Ratio	More than 50 dB	
Image Enhancement	Backlight compensation; White balance: automatic, predefined and manual; Brightness; Saturation; Contrast; Automatic gain control; Auto exposure; Image stabilizer	Wide dynamic range; Backlight compensation; White balance: automatic, predefined and manual; Brightness; Saturation; Contrast; Automatic gain control; Auto exposure; Image stabilizer
Privacy Mask	24 configurable regions	8 configurable regions
Text Overlay	User defined text on video	
Image Orientation	Image flip and mirror	
• Audio		
Compression	8 kHz, Mono, PCM, 16 bit encoding	
Audio-In	3.5 mm Phone Jack	
Audio-Out	3.5 mm Phone Jack	
• Network		
Protocol & Service	TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP, FTP, SMTP, DNS, DDNS, NTP, ICMP, IGMP, ARP, HTTPS, UPnP	
Ethernet Port	2, Ethernet (10/100 Base-T), RJ-45 connector	
Failover	Yes	
Security	IP address filtering; HTTPS encryption; Password protected user levels	
• Alarm		
Alarm Trigger	Video motion detection (3 regions); External device through digital input	
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output	
• Interface		
Analog Video Output	1, CVBS, 1.0Vp-p with 75 Ω BNC connector	
Digital Input	8, terminal block	
Digital Output	1, terminal block	
• General		
Power Source / Consumption	AC 24V / 65 W (heater on)	
Weight	5800 g (12.9 lb)	
Dimensions (Ø x H)	172 mm x 302.5 mm (6.7" x 11.9"); 190 mm x 302.5 mm (7.5" x 11.9") with sunshield	
Environmental Casing	Weatherproof (IP66 rated); Transparent dome cover	
Mount Type	Pendant, Wall, Corner, Pole	
Operating Temperature	-45 °C ~ 50 °C (-49 °F ~ 122 °F)	
Operating Humidity	10% ~ 85% RH	
Approvals	Camera: CE, FCC, IP66; Adapter: CE, TUV-GS, UL, RCM, CCC	
• Integration		
Unified Solution	Fully compatible with ACTi software	
ISV Integration	Software Development Kit (SDK) available	
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer	

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Video Encoders

	1 Channel			4 Channel	
Model Name	**TCD-2100**	**ACD-2100**	**TCD-2500**	**ACD-2000Q**	**ACD-2200**
Compression	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Maximum Frame Rate at Maximum Resolution	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)	• Quad mode / Sequential mode: 30 fps at 720 x 480 (D1 NTSC) 25 fps at 720 x 576 (D1 PAL) • Single mode: 7 fps at 720 x 480 (D1 NTSC) 7 fps at 720 x 576 (D1 PAL)	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)
Multi-Streaming	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Simultaneous dual streams based on two configurations	Multiple streams based on single configuration	Multiple streams based on single configuration (per channel)
Wide Dynamic Range	No	No	Yes	No	No
Audio	No	2-way	2-way	2-way	2-way (per channel)
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Analog Video Input	BNC x 1	BNC x 1	BNC x 1	BNC x 4	BNC x 4
Analog Video Output	No	BNC x 1	BNC x 1	No	No
Digital Input / Output	1/1	2/2	2/2	2/2	2/2 (per channel)
Serial Port	RS-485/422/232	RS-485/422/232	RS-485/422/232	RS-485/422/232	RS-485/422/232** (per channel)
Power Source	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	-10 °C ~ 50 °C (14 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)
Extended Temperature -30° C ~ 70° C (-22 °F ~ 158 °F)	No	Yes (ACD-2100T)	No	Yes (ACD-2000QT)	No
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE,FCC

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6 (TCD series), DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
** RS-232 can be adjusted by inside jumper

Video Encoders

	8 Channel	16 Channel
Model Name	**ACD-2300**	**ACD-2400**
Compression	MPEG-4 SP, MJPEG	MPEG-4 SP, MJPEG
Maximum Frame Rate at Maximum Resolution	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)
Multi-Streaming	Multiple streams based on single configuration (per channel)	Multiple streams based on single configuration (per channel)
Wide Dynamic Range	No	No
Audio	2-way (per channel)	2-way (per channel)
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*	TCP, UDP, HTTP, RTP, DDNS, etc.*
Analog Video Input	BNC x 8	BNC x 16
Analog Video Output	No	No
Digital Input / Output	2/2 (per channel)	2/2 (per channel)
Serial Port	RS-485/422/232** (per channel)	RS-485/422/232** (per channel)
Power Source	AC 100 - 240V	AC 100 - 240V
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	0 °C ~ 50 °C (32 °F ~ 122 °F)
Approvals	CE, FCC	CE, FCC

* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
** RS-232 can be adjusted by inside jumper

Video Decoder

	1 Channel
Model Name	**ACD-3100**
Decompression	MPEG-4 SP, MPEG-4 ASP
Number of Channels	1
Maximum Frame Rate at Maximum Resolution	30 fps at 720 x 480 (D1, NTSC) 25 fps at 720 x 576 (D1, PAL)
Audio	2-way
Network Protocol & Service	TCP, UDP, HTTP, RTP, DDNS, etc.*
Analog Video Output	BNC x 1; S-Video x 1
Digital Input / Output	2/2
Serial Port	RS-485/422/232
Power Source	DC 12V
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Approvals	CE, FCC

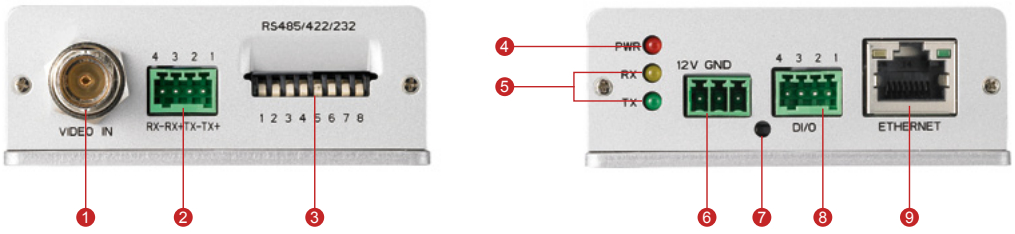
* Full list of supported protocals include: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP,IGMP, SMTP, FTP, UPnP, SNMP, Bonjour

TCD-2100

1-channel H.264 Video Encoder

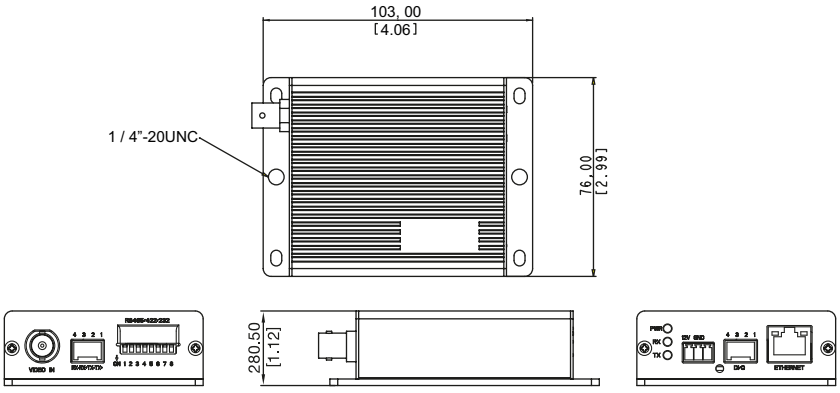
- 25/30 fps at full D1 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Video motion detection
- Digital input and digital output
- Serial ports for PTZ control

PHOTO INDICATION



1. Analog Video Input
2. Serial Port Input
3. Serial Port Setting
4. Power LED
5. Serial Port LED
6. DC12V Power Input
7. Reset Button
8. Digital Input / Output
9. Ethernet Port

DIMENSION DIAGRAM



Unit: mm [inch]

TCD-2100

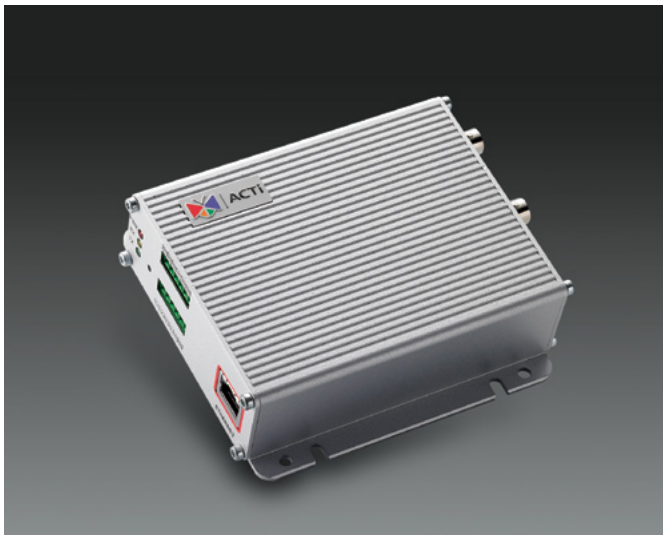
PRODUCT SPECIFICATION

	TCD-2100
• Device	
Device Type	Video Encoder
Number of Channels	1
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness; Saturation; Contrast
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	1, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	1, terminal block
Digital Output	1, terminal block
Serial Port	RS-485, RS-422, RS-232, terminal block
• General	
Power Source / Consumption	DC 12V ± 10% / 3.6 W
Weight	195 g (0.43 lb)
Dimensions (W x H x D)	103 mm x 28.5 mm x 76 mm (4.06” x 1.12” x 2.99”)
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Video Encoder: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

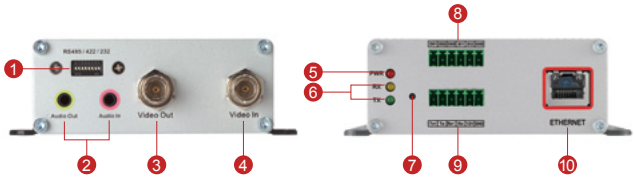
ACD-2100

1-channel MPEG-4 Video Encoder



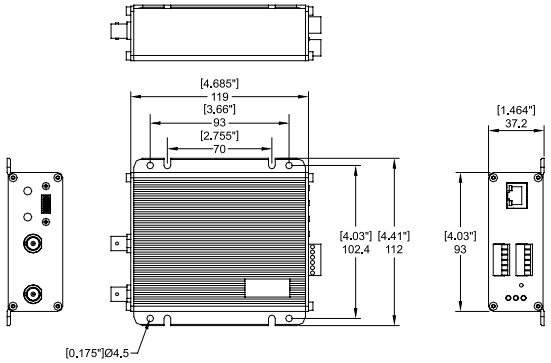
- 25/30 fps at full D1 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio
- Video motion detection
- Digital input and digital output
- Serial ports for PTZ control
- Analog video output

PHOTO INDICATION



1. Serial Port Setting
2. Audio Iuput / Output
3. Analog Video Output
4. Analog Video Input
5. Power LED
6. Serial Port LED
7. Reset Button
8. Digital Input / Output
9. Serial Port Input & DC 12V Power Input
10. Ethernet Port

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Rackmount Kit		
RMK-2000		19-inch (4U) rackmount kit with 8 built-in cooling fans, powered by 100-240V AC adapter. Supports up to 8 devices. *Front-Bezel (R306-00004-000) option to cover the slot of video encoder *Front-Bezel (R306-00007-000) option to cover the blank slot
RMK-3000		19-inch (4U) rackmount kit. Supports up to 8 devices. *Front-Bezel (R306-00014-000) option to cover the slot of video encoder *Front-Bezel (R306-00009-000) option to cover the blank slot

ACD-2100

PRODUCT SPECIFICATION

	ACD-2100
• Device	
Device Type	Video Encoder
Number of Channels	1
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 640 x 480 (VGA, NTSC); 25 fps at 640 x 480 (VGA, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness; Saturation; Contrast
Privacy Mask	1 configurable region
Text Overlay	User defined text on video
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	1, CVBS, 1.0Vp-p with 75Ω BNC connector
Analog Video Output	1, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	2, terminal block
Digital Output	2, terminal block
Serial Port	RS-485, RS-422, RS-232, terminal block
• General	
Power Source / Consumption	DC 12V ±10% / 3.8 W
Weight	350 g (0.66 lb)
Dimensions (W x H x D)	112 mm x 37.2 mm x 119 mm (4.41” x 1.46” x 4.68”)
Operating Temperature	ACD-2100: 0 °C ~ 50 °C (32 °F ~ 122 °F); ACD-2100T: -30 °C ~ 70 °C (-22 °F ~ 158 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Video Encoder: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

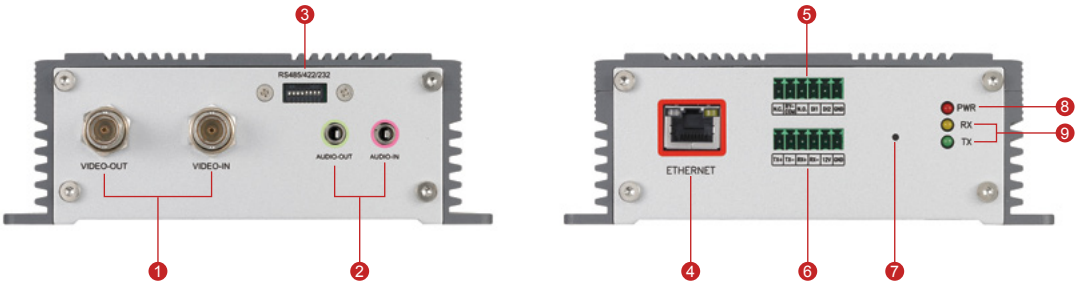
* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

TCD-2500

1-channel H.264 Video Encoder with WDR

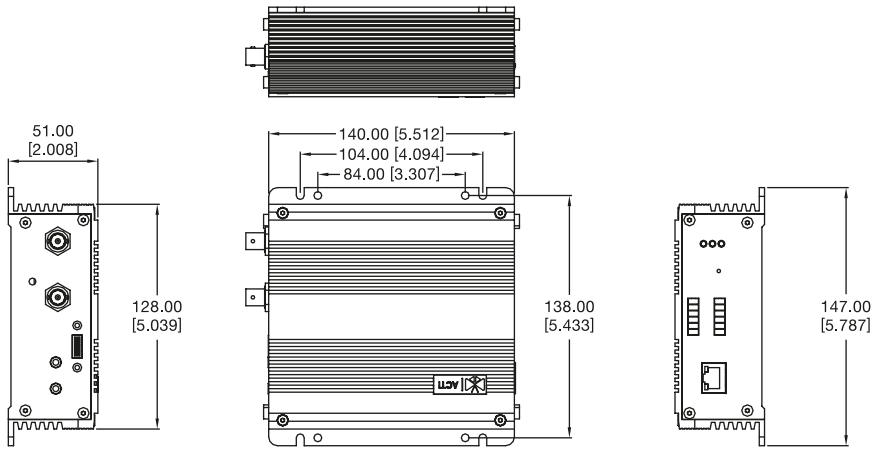
- 25/30 fps at full D1 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Two-way audio
- Video motion detection
- Digital input and digital output
- 3D deinterlacing
- Serial ports for PTZ control
- Analog video output
- Wide dynamic range

PHOTO INDICATION



1. Analog Video Input / Output
2. Audio Input / Output
3. Serial Porting Setting
4. Ethernet Port
5. Digital Input / Output
6. Serial Port & DC 12V Power Input
7. Reset Button
8. Power LED
9. Serial Port LED

DIMENSION DIAGRAM



Unit: mm [inch]

TCD-2500

PRODUCT SPECIFICATION

	TCD-2500
• Device	
Device Type	Video Encoder
Number of Channels	1
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Wide dynamic range; Brightness; Saturation; Contrast; Sharpness; Digital noise reduction; Black level extension; 3D deinterlacing; Skin tone enhancement
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	1, CVBS, 1.0Vp-p with 75Ω BNC connector
Analog Video Output	1, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	2, terminal block
Digital Output	1, terminal block
Serial Port	RS-485, RS-422, RS-232, terminal block
• General	
Power Source / Consumption	DC 12V ±10% / 4.7 W
Weight	870 g (1.92 lb)
Dimensions (W x H x D)	144 mm x 50 mm x 139.5 mm (5.67” x 1.97” x 5.49”)
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Video Encoder: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

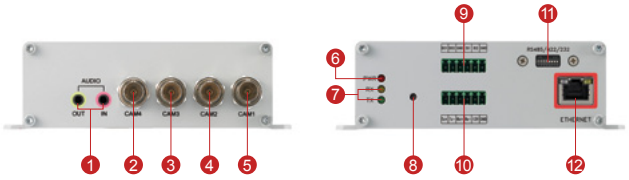
* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACD-2000Q

4-channel MPEG-4 Quad Video Encoder

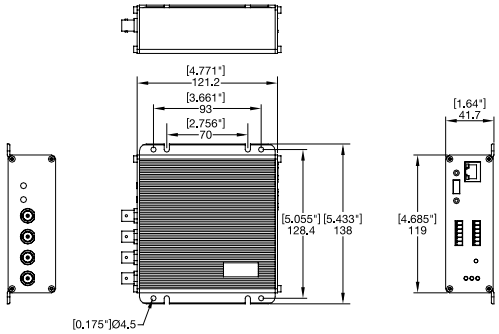
- 25/30 fps at full D1 resolution
- Selectable MPEG-4 SP, MJPEG compressions
- Full-screen or quad image display
- Two-way audio
- Video motion detection (per channel)
- Digital input and digital output
- Serial ports for PTZ control

PHOTO INDICATION



1. Audio Input / Output
2. CAM4 - Analog Input 4
3. CAM3 - Analog Input 3
4. CAM2 - Analog Input 2
5. CAM1 - Analog Input 1
6. Power LED
7. Serial Port LED
8. Reset Button
9. Digital Input / Output
10. Serial Port & DC 12V Power Input
11. Serial Port Setting
12. Ethernet Port

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Rackmount Kit		
RMK-2000		19-inch (4U) rackmount kit with 8 built-in cooling fans, powered by 100-240V AC adapter. Supports up to 8 devices. • Front-Bezel (R306-00004-000) option to cover the slot of video encoder • Front-Bezel (R306-00007-000) option to cover the blank slot
RMK-3000		19-inch (4U) rackmount kit. Supports up to 8 devices. • Front-Bezel (R306-00014-000) option to cover the slot of video encoder • Front-Bezel (R306-00009-000) option to cover the blank slot

DISPLAY MODES

Display Mode	Content	Frame Rate	Resolution	Video Stream
Quad		30/25 FPS (NTSC/PAL)	D1 only	1 stream, quad view
Sequential		30/25 FPS (NTSC/PAL)	D1 only	1 stream at a time
Single		7 FPS	D1	4 independent streams
		15/12 FPS (NTSC/PAL)	CIF	4 independent streams

ACD-2000Q

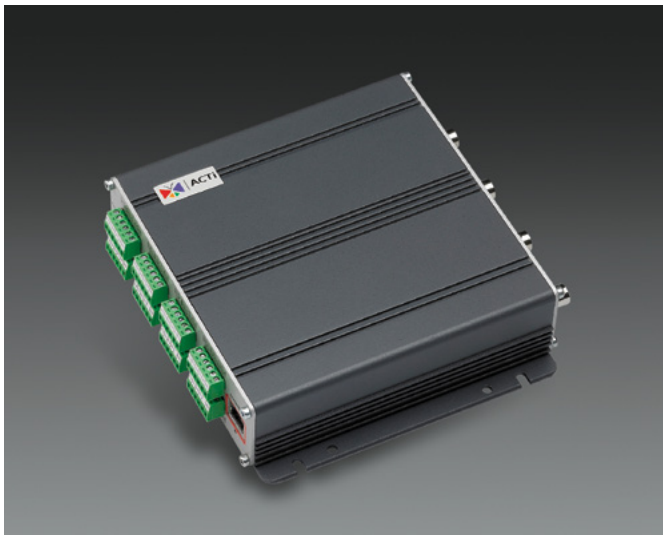
PRODUCT SPECIFICATION

	ACD-2000Q
• Device	
Device Type	Video Encoder
Number of Channels	4
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	Quad mode/ Sequential mode: 30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) Single mode: 7 fps at 720 x 480 (Full D1, NTSC/PAL) 15 fps at 352 x 240 (CIF, NTSC); 12 fps at 352 x 288 (CIF, PAL)
Multi-Streaming	Multiple streams based on single configuration
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness; Saturation; Contrast
Text Overlay	Camera name and video loss alert
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (1 region per channel); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	4, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	2, terminal block
Digital Output	2, terminal block
Serial Port	RS-485, RS-422, RS-232, terminal block
• General	
Power Source / Consumption	DC 12V ±10% / 5.0 W
Weight	430 g (0.95 lb)
Dimensions (W x H x D)	119 mm x 41.7 mm x 122 mm (4.69” x 1.65” x 4.81”)
Operating Temperature	ACD-2000Q: 0 °C ~ 50 °C (32 °F ~ 122 °F) ACD-2000QT: -30 °C ~ 70 °C (-22 °F ~ 158 °F) V
Operating Humidity	10% ~ 85% RH
Approvals	Video Encoder: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

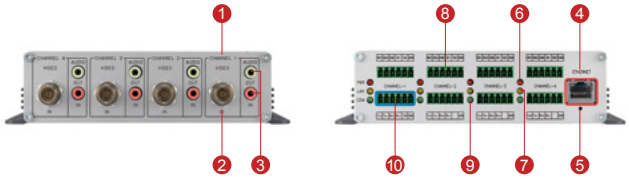
ACD-2200

4-channel MPEG-4 Video Encoder



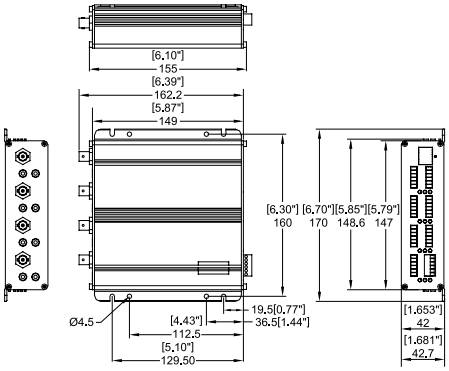
- 25/30 fps at full D1 resolution (per channel)
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio (per channel)
- Video motion detection (per channel)
- Digital input and digital output (per channel)
- Serial ports for PTZ control (per channel)

PHOTO INDICATION



1. Channel Number
2. Analog Video Input
3. Audio Input / Output
4. Ethernet Port
5. Reset Button
6. Power LED
7. LAN LED
8. RS-485 LED
9. Digital Input / Output
10. Serial Port & DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Rackmount Kit

RMK-3000		19-inch (4U) rackmount kit. Supports up to 8 devices. *Front-Bezel (R306-00008-000) option to cover the slot of video encoder *Front-Bezel (R306-00009-000) option to cover the blank slot

ACD-2200

PRODUCT SPECIFICATION

	ACD-2200
• Device	
Device Type	Video Encoder
Number of Channels	4
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 640 x 480 (VGA, NTSC); 25 fps at 640 x 480 (VGA, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Multiple streams based on single configuration (per channel)
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness; Saturation; Contrast
Privacy Mask	1 configurable region (per channel)
Text Overlay	User defined text on video
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack (per channel)
Audio-Out	3.5 mm Phone Jack (per channel)
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions per channel); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	4, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	2, terminal block (per channel)
Digital Output	2, terminal block (per channel)
Serial Port	RS-485, RS-422, RS-232, terminal block (per channel)
• General	
Power Source / Consumption	DC 12V ±10% / 16 W
Weight	820 g (1.80 lb)
Dimensions (W x H x D)	170 mm x 42.7 mm x 149 mm (6.70" x 1.68" x 5.87")
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	Video Encoder: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACD-2300

8-channel MPEG-4 1U Video Encoder

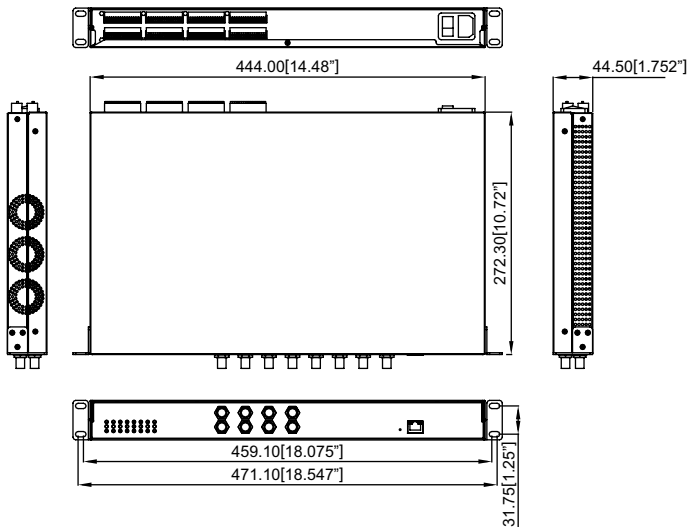
- 25/30 fps at full D1 resolution (per channel)
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio (per channel)
- Video motion detection (per channel)
- Digital input and digital output (per channel)
- Serial ports for PTZ control (per channel)
- Rack-mountable (1U)

PHOTO INDICATION

1. Power LED
2. LAN LED
3. RS-485 LED
4. Analog Video Input
5. Channel Number
6. Reset Button
7. Ethernet Port

8. AC Power Input
9. Power Switch
10. Audio Input / Output & Digital Input / Output & Serial Port

DIMENSION DIAGRAM



Unit: mm [inch]

ACD-2300

PRODUCT SPECIFICATION

	ACD-2300
• Device	
Device Type	Video Encoder
Number of Channels	8
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 640 x 480 (VGA, NTSC); 25 fps at 640 x 480 (VGA, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Multiple streams based on single configuration (per channel)
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness; Saturation; Contrast
Privacy Mask	1 configurable region (per channel)
Text Overlay	User defined text on video
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block (per channel)
Audio-Out	Terminal block (per channel)
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions per channel); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	8, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	2, terminal block (per channel)
Digital Output	2, terminal block (per channel)
Serial Port	RS-485, RS-422, RS-232, terminal block (per channel)
• General	
Power Source / Consumption	AC 100 - 240V 50/60 Hz / 50 W
Weight	3.9 kg (8.60 lb)
Dimensions (W x H x D)	444 mm x 44.5 mm x 272 mm (17.48” x 1.75” x 10.72”) Rack-mountable (1U)
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	CE, FCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACD-2400

16-channel MPEG-4 1U Video Encoder

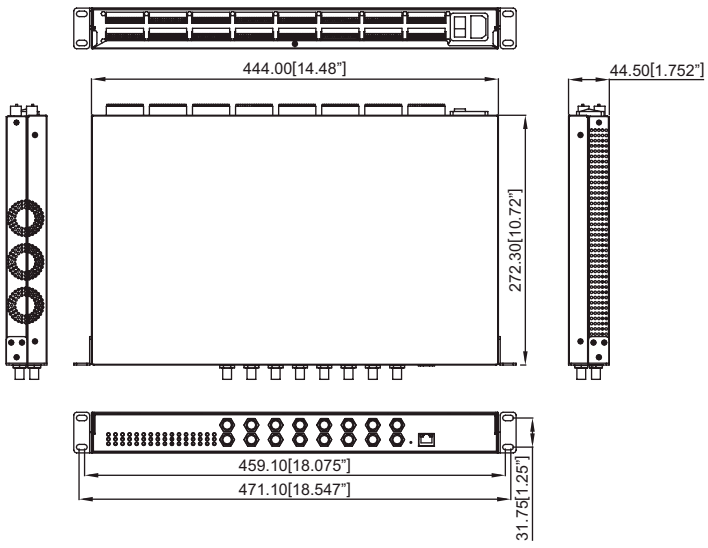
- 25/30 fps at full D1 resolution (per channel)
- Selectable MPEG-4 SP, MJPEG compressions
- Two-way audio (per channel)
- Video motion detection (per channel)
- Digital input and digital output (per channel)
- Serial ports for PTZ control (per channel)
- Rack-mountable (1U)

PHOTO INDICATION

1. Power LED
2. LAN LED
3. RS-485 LED
4. Analog Video Input
5. Channel Number
6. Reset Button
7. Ethernet Port

8. AC Power Input
9. Power Switch
10. Audio Input / Output & Digital Input / Output & Serial Port

DIMENSION DIAGRAM



Unit: mm [inch]

ACD-2400

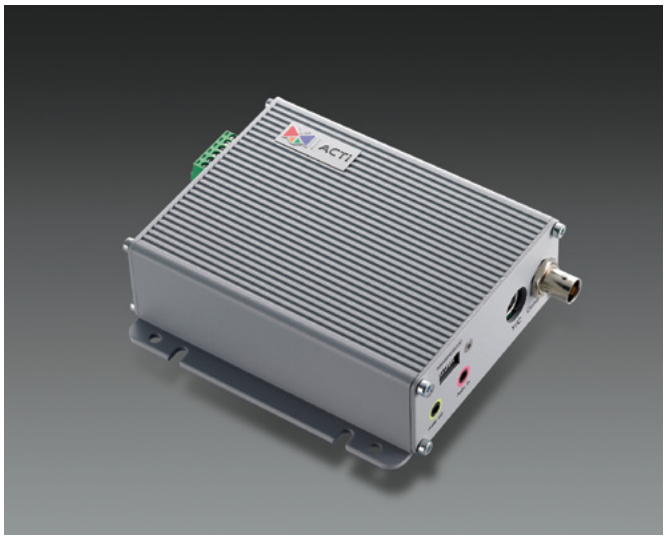
PRODUCT SPECIFICATION

	ACD-2400
• Device	
Device Type	Video Encoder
Number of Channels	16
• PTZ	
Protocol	Pelco-D, Pelco-P V1 and V2, Dynacolor, Sony VISCA, American Dynamics
• Video	
Compression	MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL) 30 fps at 640 x 480 (VGA, NTSC); 25 fps at 640 x 480 (VGA, PAL) 30 fps at 352 x 240 (CIF, NTSC); 25 fps at 352 x 288 (CIF, PAL) 30 fps at 160 x 112 (QCIF, NTSC); 25 fps at 176 x 144 (QCIF, PAL)
Multi-Streaming	Multiple streams based on single configuration (per channel)
Bit Rate	28 Kbps - 3 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness; Saturation; Contrast
Privacy Mask	1 configurable region (per channel)
Text Overlay	User defined text on video
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	Terminal block (per channel)
Audio-Out	Terminal block (per channel)
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Alarm	
Alarm Trigger	Video motion detection (3 regions per channel); External device through digital input
Alarm Response	Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
• Interface	
Analog Video Input	16, CVBS, 1.0Vp-p with 75Ω BNC connector
Digital Input	2, terminal block (per channel)
Digital Output	2, terminal block (per channel)
Serial Port	RS-485, RS-422, RS-232, terminal block (per channel)
• General	
Power Source / Consumption	AC 100 - 240V (50/60 Hz) / 87 W
Weight	4.3 kg (9.47 lb)
Dimensions (W x H x D)	444 mm x 44.5 mm x 272 mm (17.48" x 1.75" x 10.72") Rack-mountable (1U)
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	CE, FCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

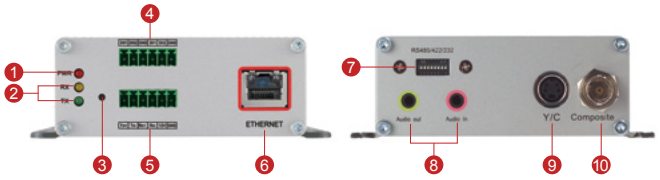
ACD-3100

1-channel MPEG-4 Video Decoder



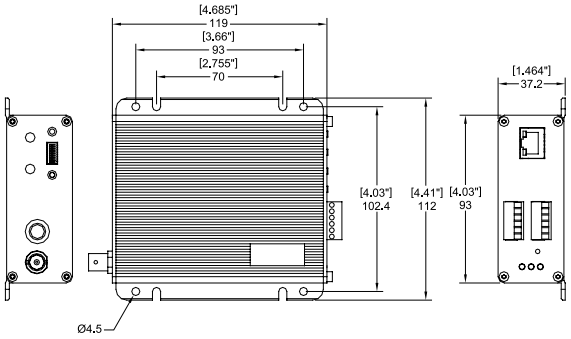
- 25/30 fps at full D1 resolution
- MPEG-4 SP, ASP decompression
- Two-way audio
- Video motion detection
- Digital input and digital output
- Serial ports for PTZ control panel

PHOTO INDICATION



1. Power LED
2. Serial Port LED
3. Reset Button
4. Digital Input / Output
5. Serial Port & DC 12V Power Input
6. Ethernet Port
7. Serial Port Setting
8. Audio Input / Output
9. Analog Video Output (Y/C)
10. Analog Video Output (Composite)

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Rackmount Kit		
RMK-2000		19-inch (4U) rackmount kit with 8 built-in cooling fans, powered by 100-240V AC adapter. Supports up to 8 devices. • Front-Bezel (R306-00004-000) option to cover the slot of video encoder • Front-Bezel (R306-00007-000) option to cover the blank slot
RMK-3000		19-inch (4U) rackmount kit. Supports up to 8 devices. • Front-Bezel (R306-00014-000) option to cover the slot of video encoder • Front-Bezel (R306-00009-000) option to cover the blank slot

ACD-3100

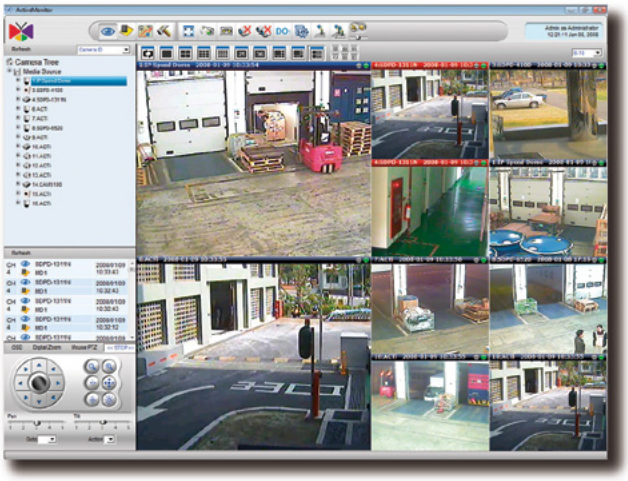
PRODUCT SPECIFICATION

	ACD-3100
• Device	
Device Type	Video Decoder
Number of Channels	1
• Video	
Decompression	MPEG-4 SP, MPEG-4 ASP
Maximum Frame Rate vs. Resolution	30 fps at 720 x 480 (Full D1, NTSC); 25 fps at 720 x 576 (Full D1, PAL)
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding
Audio-In	3.5 mm Phone Jack
Audio-Out	3.5 mm Phone Jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels
• Interface	
Analog Video Output	2, CVBS, 1.0Vp-p with 75 Ω loading BNC connector; Y/C, 0.286Vp-p with 75 Ω loading S-video connector
Serial Port	RS-485, RS-422, RS-232, terminal block
• General	
Power Source / Consumption	DC 12V ±10% / 3.8 W
Weight	350 g (0.66 lb)
Dimensions (W x H x D)	112 mm x 37.2 mm x 119 mm (4.41” x 1.46” x 4.68”)
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	Video Decoder: CE, FCC; Adapter: CE, TUV-GS, UL, RCM, CCC
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available
Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACTi NVR v2.3

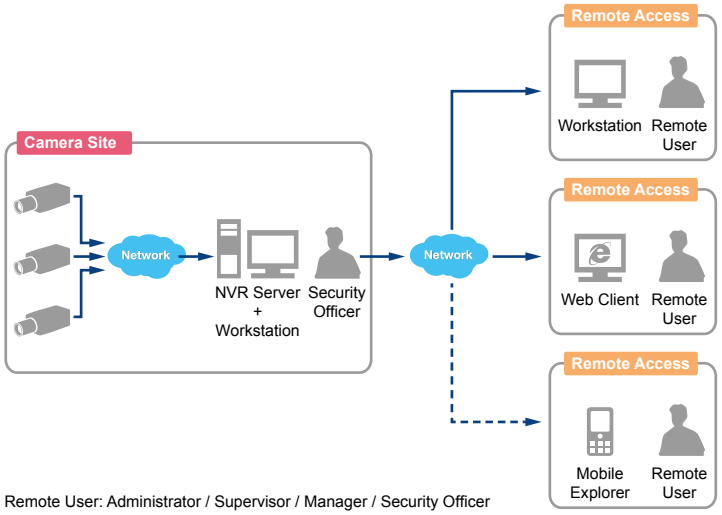
ACTi Network Video Recorder



- Manage up to 64 IP cameras or video encoders
- Support H.264/MPEG-4/MJPEG formats up to 4-Megapixel resolution
- Live view with 1, 4, 6, 8, 9, 12, 16, 36, 49, 64 window layouts
- PTZ and speed control, preset points and tours, mouse PTZ
- E-maps with camera icons and mini live views
- KCM/TCM/TCD device dual stream management
- Scheduled, event triggered and manual recording
- Time and event based search
- Full screen playback with AVI video export function
- 4-channel synchronized playback
- Event management with motion detection and DI/DO
- Two-way audio, multi-channel audio broadcast
- Unlimited number of remote clients using web browser, mobile device or PC installable program (Enterprise edition)
- HTTPs protocol between server and client

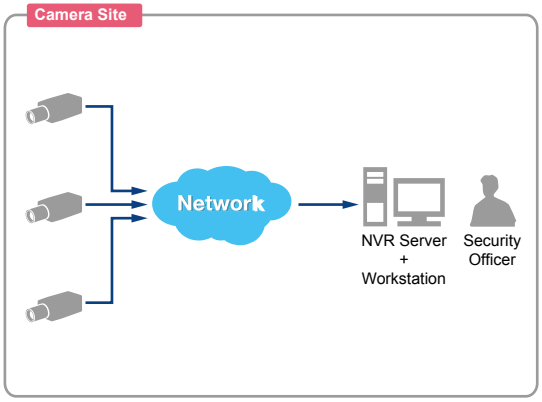
SOLUTION ARCHITECTURE

NVR Enterprise



Remote User: Administrator / Supervisor / Manager / Security Officer

NVR Professional



BUNDLED UTILITIES

IP Utility	Search, list and manage devices within local area network, upgrade firmware, backup/restore configuration
Archive Player	Forward and backward playback of RAW files with 1x-8x speeds together with manual snapshot function
Media Converter	Convert one or many RAW video clips into a sequence of JPEG snapshots or into AVI video clips and save locally
Backup Wizard	Backup and restore configuration of ACTi NVR and CMS
Streaming Explorer	Test device connections, PTZ and event functions via web browser

ACTi NVR v2.3

PRODUCT SPECIFICATION

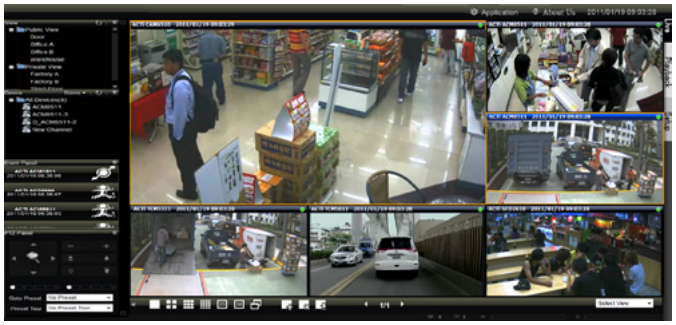
	NVR 2.3 Enterprise	NVR 2.3 Professional
• General		
Full Name	ACTi Network Video Recorder v2.3 Enterprise	ACTi Network Video Recorder v2.3 Professional
Maximum Number of Clients	Unlimited	1 (local)
Maximum Number of Cameras	64	64
Free License	16 channels	64 channels
Compression	H.264, MPEG-4, MJPEG	
• Live View		
Display Layout Mode	1, 4, 6, 8, 9, 12, 16, 36, 49, 64	
Layout Manager	An interface to define display layouts and the pre-set cameras within layouts; full-screen mode available	
Layout Tour	Automatic switch between different display layouts	
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons	
Camera Tree	Drag and drop video source from camera tree into display layout	
Manual Recording / Snapshot	Instant recording upon mouse click / Instant snapshot upon mouse click or hot key	
Event Panel	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full	Display event status upon alarm or when the allocated disk space is full
Two-way Audio	Audio sound from and to all the audio supported devices; audio broadcast to multiple devices at the same time	
Dual Stream Management	Live view of stream 1 or stream 2 of KCM/TCM/TCD series dual stream devices	
• E-map		
Layout	Area maps with camera icons, small live view windows; hyperlinked	
Map Switch and Tour	Manual switch and auto tour modes selectable	
Setup	E-map image upload; camera positioning; map linking	
PTZ Mode	Mouse PTZ mode to control E-map video streams	
• PTZ		
Control	Pan, tilt and zoom controls; speed control; both buttons and overlay controls	
Preset Points and Tours	Create preset points; create auto tours between preset points	
Number of Preset Points	32	
Joystick	USB based joystick supported	
Absolute Position	Supports absolute position function of PTZ and Speed Dome cameras for convenient navigation	
Default Protocol	Pelco-P, Pelco-D, Lilin, Dynacolor, Samsung, Kampro, Sony Visca, Panasonic	
User Defined Protocol	User defined PTZ or Housing commands	
• Recording		
Scheduled Recording	Record video with user defined schedule	
Event Recording	Record video when the alarm event is triggered, including the pre-event buffered video clip	
Manual Recording	Instant recording upon mouse click	
Dual Stream Management	Recording of stream 1 or stream 2 of KCM/TCM/TCD series dual stream devices	
• Search & Playback		
Time Based Video Search	Search video recordings by time or channel	
Event Based Video Search	Search alarm triggered video recordings	
Event Based Snapshot Search	Event triggered snapshots listed as clickable thumbnails for full-size view and export	
Activity and Status Log Search	Search for log of video loss/recovery, network disconnect/reconnect, alarm events, user activity; XLS export of all logs	
Playback Control	Forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop	
Synchronized Playback	4 channels	
Manual Snapshot	Instant snapshot from playback upon mouse click	
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons	
Video Cropping	Crop a short video clip from long recording file and save it as an independent file	
Video Export	Export video clips in AVI format	
• Event Management		
Event Trigger	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery	
Event Response	Record video; Pop-up window with live video; Switch to hotspot window; Play alert audio file or beep; Activate external device through digital output; Upload snapshot to FTP server; Execute system command to activate other programs; E-mail notification with snapshots; Event logging	
Manual Event	Manually activate external devices through digital output via live view monitor	
• System		
Permission Control	Unlimited number of users, multi-level permission, camera group permission, e-Map permission for different users	
Security	HTTPS protocol between NVR server and client program	
Language	Multi-language support	
• Remote Access		
PC Client Program	User interface program (Workstation) with live view, PTZ, playback, e-map, event management, setup	N/A
PC Web Browser	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, e-map, event management, setup	N/A
Mobile Client Program	User interface program (Mobile Explorer) with one-channel MPEG-4 / MJPEG max D1 resolution live view, PTZ, basic event management; Can also be used as an independent tool to access camera directly	N/A
• System Requirements*		
Server PC with Local Client	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM	
Server PC without Local Client	1-64 channels: Intel Core 2 Duo 2.4 GHz 32-bit, 4GB RAM	N/A
Remote Client PC	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM	N/A
Operating System	32/64 bit: Windows 7 (Professional), Windows Server 2008 (Enterprise, Standard), Windows Vista (Business, Enterprise, Ultimate), Windows Server 2003 SP2, Windows XP Professional SP3	
Browser	Microsoft Internet Explorer 7.0 or 8.0	
Web Server	Microsoft IIS Server	
• Integration		
Unified Solution	Fully compatible with ACTi cameras, encoders and CMS v1.1	Fully compatible with ACTi cameras and encoders
ISV CMS Integration	Software Development Kit (SDK) available	N/A

* These specifications are based on following camera settings:
Single stream mode: 1280x1024, 3Mbps, 18fps, MPEG-4
Dual stream mode: 1280x1024, 3Mbps, 18fps, H.264 (recording) and 640x480, Quality:100, 18fps, MJPEG (live view)
For more details about system requirements, please refer to Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACTi NVR v3.0

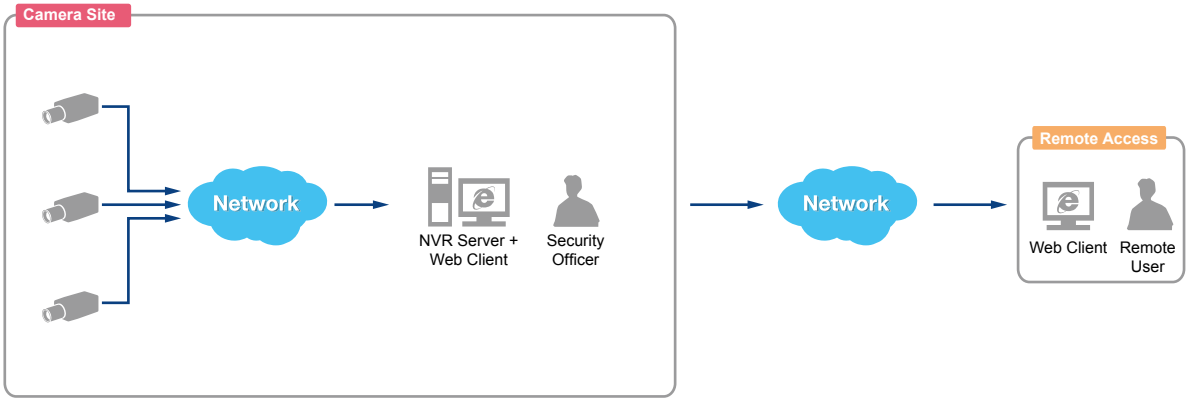
ACTi Network Video Recorder



- Manage up to 64 IP cameras or video encoders
- Support H.264/MPEG-4/MJPEG formats up to 4-Megapixel resolution
- Live view layouts for 4:3 monitor and 16:9 wide screen monitor
- Instant playback in live view window
- PTZ and speed control, preset points and tours, mouse PTZ
- E-maps with camera mini live views and event status
- KCM/TCM/TCD device dual stream management
- Scheduled, event triggered and manual recording
- Time and event based search
- 64-channel synchronized playback
- Event management with motion detection and DI/DO
- Two-way audio, multi-channel audio broadcast
- Customizable user interface
- Unlimited number of remote clients using web browser

SOLUTION ARCHITECTURE

NVR



Remote User: Administrator / Supervisor / Manager / Security Officer

BUNDLED UTILITIES

	IP Utility	Search, list and manage devices within local area network, upgrade firmware, backup/restore configuration

ACTi NVR v3.0

PRODUCT SPECIFICATION

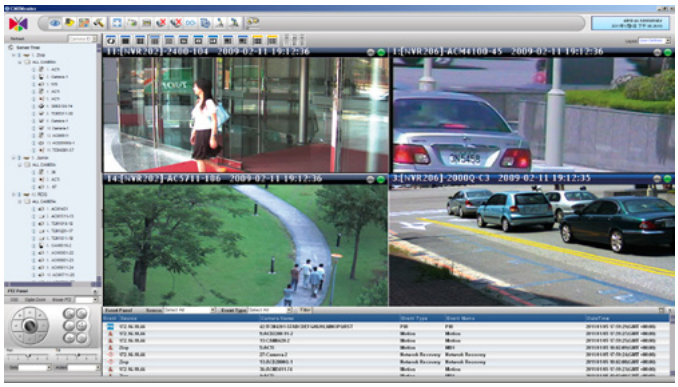
	NVR 3.0
• General	
Full Name	ACTi Network Video Recorder v3.0
Maximum Number of Clients	Unlimited
Maximum Number of Cameras	64
Free License	16 channels
Compression	H.264, MPEG-4, MJPEG
• Live View	
Display Layout Mode	4:3 monitor: 1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 36, 49, 64 16:9 wide screen monitor: 1, 4, 6, 9, 12, 18, 24, 35, 48, 64
View Manager	An interface to define display layouts and the pre-set cameras within layout in the public or private view
View Patrol	Automatic switch between different views or devices
View Panel	Contains the list of pre-defined views for quick launch
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Camera Tree	Drag and drop video source from camera tree into display layout; display camera status on the tree
Manual Recording / Snapshot	Instant recording upon mouse click / Instant snapshot upon mouse click or hot key
Event Panel	Display event status upon alarm or upon connection loss or recovery
Two-way Audio	Audio sound from and to all the audio supported devices; audio broadcast to multiple devices at the same time
Dual Stream Management	Live view of stream 1 or stream 2 of KCM/TCM/TCD series dual stream devices
Instant Playback	Instant playback in live view window
• E-map	
Layout	Area maps with camera icons, small live view windows; hyperlinked
Map Switch and Tour	Manual switch and auto tour modes selectable
Setup	E-map image upload; camera positioning; map linking
PTZ Mode	Mouse PTZ mode to control E-map video streams
• PTZ	
Control	Pan, tilt and zoom controls; speed control; both buttons and overlay controls
Preset Points and Tours	Create preset points; create auto tours between preset points
Number of Preset Points	32
Joystick	USB based joystick supported
Default Protocol	Pelco-P, Pelco-D, Lilin, Dynacolor, Samsung, Kampro, Sony Visca, Panasonic
• Recording	
Scheduled Recording	Record video with user defined schedule
Event Recording	Record video when the alarm event is triggered, including the pre-event buffered video clip
Manual Recording	Instant recording upon mouse click
Dual Stream Management	Recording of stream 1 or stream 2 of KCM/TCM/TCD series dual stream devices
• Search & Playback	
Time Based Video Search	Search video recordings by time or channel
Event Based Video Search	Search alarm triggered video recordings
Playback Control	Forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop
Synchronized Playback	Up to 64 channels
Manual Snapshot	Instant snapshot from playback upon mouse click
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Video Cropping	Crop a short video clip from long recording file and save it as an independent file
Video Export	Export video clips in AVI format or as a series of JPEG snapshots
Bookmarking	Timeline bookmarks for videos of possible interest for later review
• Event Management	
Event Trigger	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery
Event Response	Record video; Pop-up window with live video; Switch to hotspot window; Play alert audio file or beep; Activate external device through digital output; Upload snapshot to FTP server; Execute system command to activate other programs; E-mail notification with snapshots; Command a PTZ device to go to a preset point
Manual Event	Manually activate external devices through digital output via live view monitor
Scheduler	Define the schedule of event manager
• System	
Permission Control	Unlimited number of users, multi-level permission, camera group permission, e-Map permission for different users
Language	Multi-language support
Customizable User Interface	Define the layout of user interface for live view and playback
Quick Setup	Configure basic settings of NVR
• Remote Access	
PC Web Browser	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, e-map, event management, setup
• System Requirements*	
Server PC with Local Client	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM
Server PC without Local Client	1-64 channels: Intel Core 2 Duo 2.4 GHz 32-bit, 4GB RAM
Remote Client PC	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM
Operating System	32/64 bit: Windows 7 (Professional), Windows Server 2008 (Enterprise, Standard), Windows Vista (Business, Enterprise, Ultimate), Windows Server 2003 SP2, Windows XP Professional SP3
Browser	Microsoft Internet Explorer 7.0 or 8.0
• Integration	
Unified Solution	Fully compatible with ACTi cameras, encoders and CMS 2.0
Camera Integration	Open platform, ONVIF and PSIA
ISV CMS Integration	Software Development Kit (SDK) available

* These specifications are based on following camera settings:
Single stream mode: 1280x1024, 3Mbps, 18fps, MPEG-4
Dual stream mode: 1280x1024, 3Mbps, 18fps, H.264 (recording) and 640x480, Quality:100, 18fps, MJPEG (live view)
For more details about system requirements, please refer to Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACTi CMS v1.1

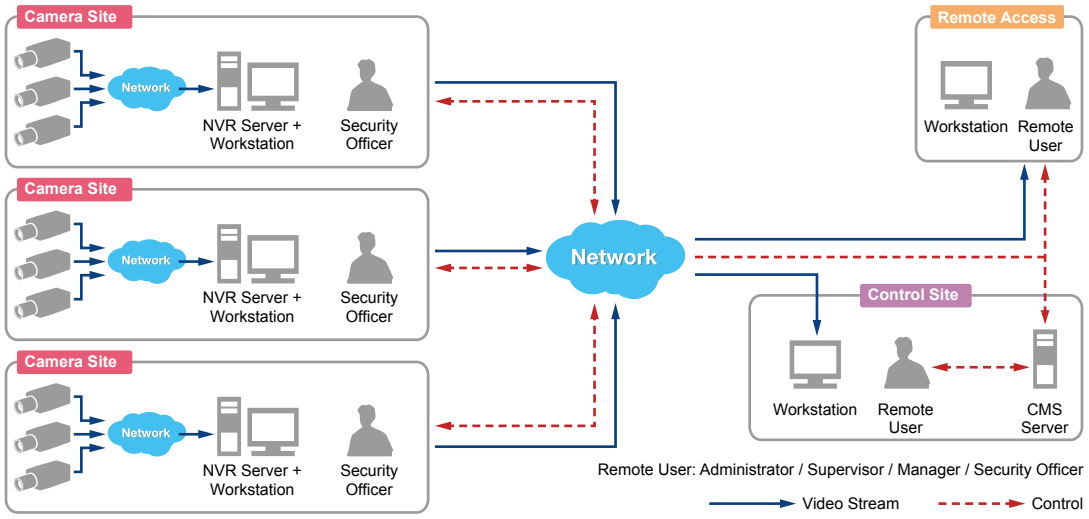
ACTi Central Management System



- Manage unlimited number of NVR Enterprise servers and IP cameras
- Support H.264/MPEG-4/MJPEG formats up to 4-Megapixel resolution
- Live view with 1, 4, 6, 8, 9, 12, 16, 36, 49, 64 window layouts
- Live videos from different NVR servers into single layout
- PTZ and speed control, mouse PTZ
- E-maps with camera icons, mini live views, map links and event status
- TCM/TCD device dual stream management
- Manual recording (saved in NVR Enterprise) and snapshot
- Full screen playback with 1x-8x speeds
- 4-channel synchronized playback
- Receive events from multiple NVR Enterprise servers
- Two-way audio, multi-channel audio broadcast
- Unlimited number of remote clients using web browser or installable program
- HTTPs protocol between server and client

SOLUTION ARCHITECTURE

CMS



BUNDLED UTILITIES

IP Utility	Search, list and manage devices within local area network, upgrade firmware, backup/restore configuration
Archive Player	Forward and backward playback of RAW files with 1x-8x speeds together with manual snapshot function
Media Converter	Convert one or many RAW video clips into a sequence of JPEG snapshots or into AVI video clips and save locally
Backup Wizard	Backup and restore configuration of ACTi NVR and CMS
Streaming Explorer	Test device connections, PTZ and event functions via web browser

ACTi CMS v1.1

PRODUCT SPECIFICATION

	CMS v1.1
• General	
Full Name	ACTi Central Management System v1.1
Maximum Number of NVR	Unlimited
Maximum Number of Clients	Unlimited
Maximum Number of Cameras	Unlimited
Compression	H.264, MPEG-4, MJPEG
NVR Management	Import management settings of NVR Enterprise servers
• Live View	
Display Layout Mode	1, 4, 6, 8, 9, 12, 16, 36, 49, 64
Layout Manager	An interface to define display layouts and the pre-set cameras within layouts; full-screen mode available
Layout Tour	Automatic switch between different display layouts
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Camera Tree	Drag and drop video source from camera tree into display layout
Manual Recording / Snapshot	Instant recording to NVR Enterprise Server upon mouse click / Instant snapshot upon mouse click
Event Panel	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Two-way audio	Audio sound from and to all the audio supported devices; audio broadcast to multiple devices at the same time
Dual Stream Management	Live view of stream 1 or stream 2 of TCM/TCD series dual stream devices
• E-map	
Layout	Area maps with camera icons, small live view windows; hyperlinked
Setup	E-map image upload; camera positioning; map linking
PTZ Mode	Mouse PTZ mode to control E-map video streams
Event Panel	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
• PTZ	
Control	Pan, tilt and zoom controls; speed control; both buttons and overlay controls
Preset Points and Tours	Activate NVR preset points or auto tours between preset points
Joystick	USB based joystick supported
Absolute Position	Supports absolute position function of PTZ and Speed Dome cameras for convenient navigation
User Defined Protocol	Activate user defined PTZ or Housing commands in NVR
• Search & Playback	
Time Based Video Search	Search video recordings by time, channel from multiple NVRs
Event Based Video Search	Search alarm triggered video recordings from multiple NVRs
Event Based Snapshot Search	Event triggered snapshots listed as clickable thumbnails for full-size view and export
Activity and Status Log Search	Search for log of video loss/recovery, network disconnect/reconnect, alarm events, user activity; XLS export of all logs (CMS and NVRs)
Playback Control	Forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop
Synchronized Playback	4 channels
Manual Snapshot	Instant snapshot from playback upon mouse click
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Video Cropping	Crop a short video clip from long recording file and save it as an independent file
• Event Management	
Event Source	Receive events from multiple NVR servers
Manual Event	Manually activate external devices through digital output via live view monitor
• System	
Permission Control	Unlimited number of users, multi-level permission, camera group permission, e-Map permission for different users
Language	Multi-language support
• Remote Access	
PC Client Program	User interface program (Workstation) with live view, PTZ, playback, e-map, event management, setup
PC Web Browser	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, e-map, event management, setup
• System Requirements*	
Server PC with Local Client	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM
Server PC without Local Client	1-64 channels: Intel Core 2 Duo 2.4 GHz 32-bit, 4GB RAM
Remote Client PC	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM
Operating System	32/64 bit: Windows 7 (Professional), Windows Server 2008 (Enterprise, Standard), Windows Vista (Business, Enterprise, Ultimate), Windows Server 2003 SP2, Windows XP Professional SP3
Browser	Microsoft Internet Explorer 7.0 or 8.0
Web Server	Microsoft IIS Server
• Integration	
Unified Solution	Fully compatible with ACTi cameras, encoders and NVR Enterprise v2.2 and v2.3

* These specifications are based on following camera settings:
Single stream mode: 1280x1024, 3Mbps, 18fps, MPEG-4
Dual stream mode: 1280x1024, 3Mbps, 18fps, H.264 (recording by NVR) and 640x480, Quality:100, 18fps, MJPEG (live view by CMS)
For more details about system requirements, please refer to Project Planner on www.acti.com

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Standalone Network Video Recorders

		Standalone Network Video Recorders	
Model Name		**XNR-4200**	**GNR-2000**
Video	Maximum Number of Cameras	64	16
	Maximum Number of Clients	Unlimited	Unlimited
	Video Resolution	Up to 4-Megapixel	Up to 4-Megapixel
	Compression	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Recording	Recording Frame Rate	Max 1920 fps total; Max 30 fps per camera	Max 480 fps total; Max 30 fps per camera
	HDD Interface	Maximum 6 SATA disks (disks not included)	Maximum 5 SATA disks (disks not included)
	RAID Level	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10
Live View	Display Layout Mode	1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 32, 36, 49, 64	1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 32, 36, 49, 64
	Event Panel	Alarm, connection and storage related events	Alarm, connection and storage related events
	Two-way audio	Audio sound from and to all the audio supported devices	Audio sound from and to all the audio supported devices
PTZ	Control	Pan, tilt and zoom controls; speed control	Pan, tilt and zoom controls; speed control
Playback	Playback Control	Forward and backward playback with speeds 1x-500x; pause; stop	Forward and backward playback with speeds 1x-500x; pause; stop
	Synchronized Playback	4 channels	4 channels
	Video Export	Export video clips in AVI format; text overlay supported	Export video clips in AVI format; text overlay supported
Remote Access	PC Web Browser	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, setup	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, setup
Event Management	Event Trigger	Video motion detection; Digital input; Video or Network loss/recovery	Video motion detection; Digital input; Video or Network loss/recovery
	Event Response	Record video; Alert beep; Digital output; Snapshot to FTP; E-mail with snapshots; Notify CMS; Event logging	Record video; Alert beep; Digital output; Snapshot to FTP; E-mail with snapshots; Notify CMS; Event logging
System	Operating System	Embedded Linux	Embedded Linux
	Data Backup	By external DVD drive (optional)	By external DVD drive (optional)
	Language	Multi-language support	Multi-language support
Hardware*	Dimensions (W x H x D)	482.6 mm x 88 mm x 545 mm (19" x 3.46" x 21.4"); Rack-mountable (2U)	300 mm x 200 mm x 205 mm (11.81" x 7.87" x 8.07")
	Weight	11.2 Kg (24.64 lb) without HDD	3.88 Kg (8.55 lb) without HDD
	Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)	0 °C ~ 40 °C (32 °F ~ 104 °F)
	Operating Humidity	10% ~ 85% RH	10% ~ 85% RH
	Power Source / Consumption	110V ~ 220V AC (50/60Hz) / 350 W	110V ~ 220V AC (50/60Hz) / 350 W
	Approvals	CE, FCC (Part 15B Class A), LVD	CE, FCC (Part 15B Class A), LVD
	USB	USB 2.0, 6 ports	USB 2.0, 4 ports
	Ethernet Port	2, Ethernet (1000 Base-T), RJ-45 connector	2, Ethernet (1000 Base-T), RJ-45 connector
Integration	Camera Integration	Open platform	Open platform

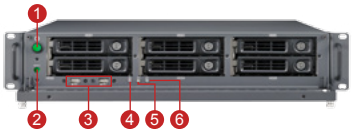
* XNR-4200 & GNR-2000 will support local display, keyboard, mouse and audio from Q3 2011.

XNR-4200

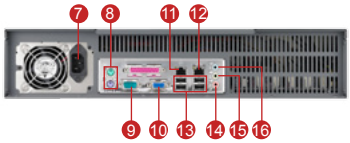
Rackmount Standalone NVR

- Manage up to 64 IP cameras or video encoders
- Support H.264/MPEG-4/MJPEG formats up to 4-Megapixel resolution
- Live view with 1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 32, 36, 49, 64 window layouts
- PTZ and speed control, preset points and tours, mouse PTZ
- HDD Bay for 6 SATA disks (total up to 12 TB)
- RAID levels 0, 1, 5, 10 supported
- Maximum total recording frame rate 1920 fps
- Scheduled, event triggered and manual recording
- Time and event based search
- Playback with 1x-500x speeds with AVI video export function
- 4-channel synchronized playback
- Event management with motion detection and DI/DO
- Two-way audio
- Unlimited number of remote clients using web browser
- Rack-mountable (2U)

PHOTO INDICATION

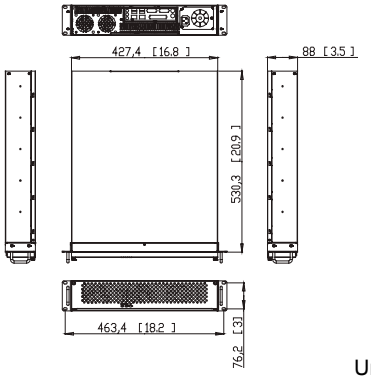


1. Power On Button
2. Factory Default Button
3. USB Port
4. Power LED
5. HDD Access Info LED
6. System Info LED



7. AC power input
8. PS/2 Keyboard & Mouse
9. RS-232 serial port (DB-9) for dignostic use
10. VGA Connector
11. Ethernet Port 1
12. Ethernet Port 2
13. USB ports
14. Audio Input
15. Audio Output
16. Microphone Input

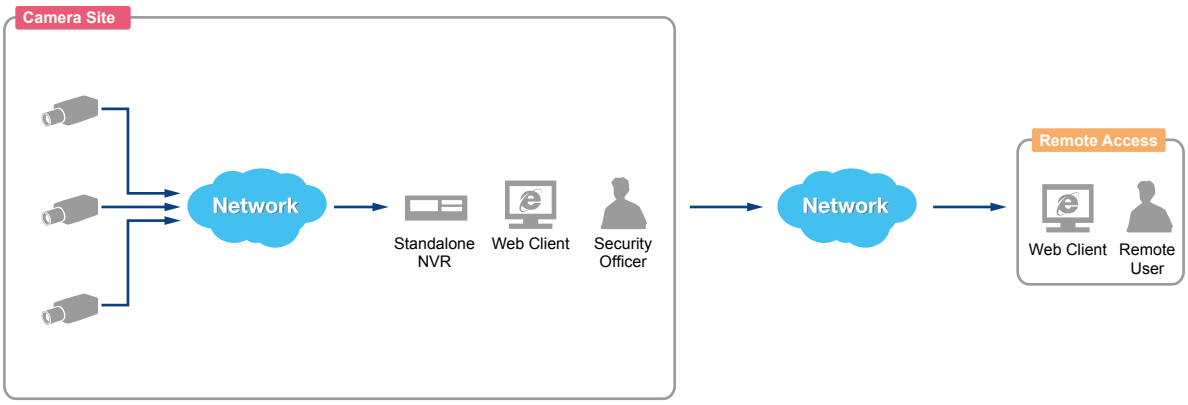
DIMENSION DIAGRAM



Unit: mm [inch]

SOLUTION ARCHITECTURE

Standalone NVR



Remote User: Administrator / Supervisor / Manager / Security Officer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Standalone NVR

XNR-4200

PRODUCT SPECIFICATION

	XNR-4200
• General	
Full Name	ACTi Standalone Network Video Recorder XNR-4200
Maximum Number of Clients	Unlimited
Maximum Number of Cameras	64
Compression	H.264, MPEG-4, MJPEG
• Live View	
Display Layout Mode	1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 32, 36, 49, 64
Layout Manager	An interface to define display layouts and the pre-set cameras within layouts; full-screen mode available
Layout Tour	Automatic switch between different display layouts
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Camera Tree	Drag and drop video source from camera tree into display layout
Manual Recording	Instant recording upon mouse click
Event Panel	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Two-way audio	Audio sound from and to all the audio supported devices
• PTZ	
Control	Pan, tilt and zoom controls; speed control; both buttons and overlay controls
Preset Points and Tours	Create preset points; create auto tours between preset points Activate NVR preset points or auto tours between preset points
Number of Preset Points	32
Joystick	USB based joystick supported
Default Protocol	URL command
• Recording	
Scheduled Recording	Record video with user defined schedule
Event Recording	Record video when the alarm event is triggered, including the pre-event buffered video clip
Bufferless Recording	Event recording without pre-event buffered video clip; no streaming in normal mode; saves bandwidth
Manual Recording	Instant recording upon mouse click
Recording Frame Rate	Max 1920 fps total; Max 30 fps per camera
Maximum Recording Throughput	320Mbps
• Storage	
Interface	Serial ATA
HDD Bay	Maximum 6 disks (disks not included)
RAID Level	Raid 0, 1, 5, 10
• Search & Playback	
Time Based Video Search	Search video recordings by time, channel or bookmark
Event Based Video Search	Search alarm triggered video recordings
Activity and Status Log Search	Search for log of video loss/recovery, network disconnect/reconnect, alarm events, user activity; export of all logs
Playback Control	Forward and backward playback with speeds 1x-500x; pause; stop
Synchronized Playback	4 channels
Manual Snapshot	Create snapshot from playback for export
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Video Cropping	Crop a short video clip from long recording file and save it as an independent file
Video Export	Export video clips in AVI format; text overlay supported
• Event Management	
Event Trigger	Video motion detection; External device through digital input; Video loss and recovery; Network loss and recovery
Event Response	Record video; Play alert beep; Activate external device through digital output; Upload snapshot to FTP server; E-mail notification with snapshots; Event logging
• System	
Permission Control	Unlimited number of users, multi-level permission, camera group permission for different users
Data Backup	By external DVD drive (optional)
Operating System	Embedded Linux
System Status Monitor	Real time status reports on remote browser
Language	Multi-language support
• Remote Access	
PC Web Browser	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, setup
• Hardware	
Dimensions (W x H x D)	482.6 mm x 88 mm x 545 mm (19" x 3.46" x 21.4"); Rack-mountable (2U)
Weight	11.2 kg (24.64 lb) without HDD
Operating Temperature	0 °C~ 40 °C(32 °F ~ 104 °F)
Operating Humidity	10% ~ 85% RH
Power Source / Consumption	110V~220V AC 50/60Hz / 350 W
Approvals	CE, FCC (Part 15B Class A), LVD
USB	USB 2.0, 6 ports
Ethernet Port	2, Ethernet (1000 Base-T), RJ-45 connector
Connectors*	Local Display: 1, VGA DE-15; Mouse: 1, PS/2; Keyboard: 1, PS/2; Audio: 3, 3.5mm Phone Jack
• System Requirements**	
Remote Client PC	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM; 17-64 channels: Intel Core i7-920 2.67 GHz 64-bit, 6GB RAM
Client PC Operating System	32/64 bit: Windows 7 (all versions), Windows Server 2008 (all versions), Windows Vista (all versions), Windows Server 2003 (all versions), Windows XP (all versions)
Browser	Microsoft Internet Explorer 7.0 or 8.0
• Integration	
Unified Solution	Fully compatible with ACTi cameras, encoders and CMS v1.5
Camera Integration	Open platform
ISV CMS Integration	Software Development Kit (SDK) available

* XNR-4200 will support local display, keyboard, mouse and audio from Q3 2011.
** These specifications are based on following camera settings: 1280x1024, 3Mbps, 18fps, MPEG-4. For more details about system requirements, please refer to Project Planner on www.acti.com

GNR-2000

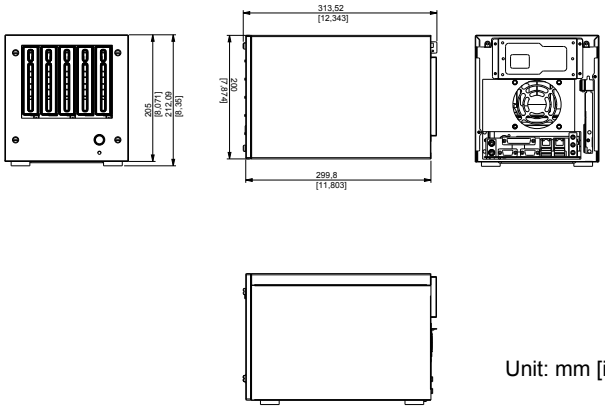
Desktop Standalone NVR

- Manage up to 16 IP cameras or video encoders
- Support H.264/MPEG-4/MJPEG formats up to Megapixel resolution
- Live view with 1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 32, 36, 49, 64 window layouts
- PTZ and speed control, preset points and tours, mouse PTZ
- HDD Bay for 5 SATA disks (total up to 10 TB)
- RAID levels 0, 1, 5, 10 supported
- Maximum total recording frame rate 480 fps
- Scheduled, event triggered and manual recording
- Time and event based search
- Playback with 1x-500x speeds with AVI video export function
- 4-channel synchronized playback
- Event management with motion detection and DI/DO
- Two-way audio
- Unlimited number of remote clients using web browser
- Compact Design

PHOTO INDICATION

1. Power On Button
2. Reset Button
3. AC power input
4. Ethernet Port 1
5. Ethernet Port 2
6. VGA Connector
7. USB Ports
8. Audio Input
9. Microphone Input
10. Audio Output

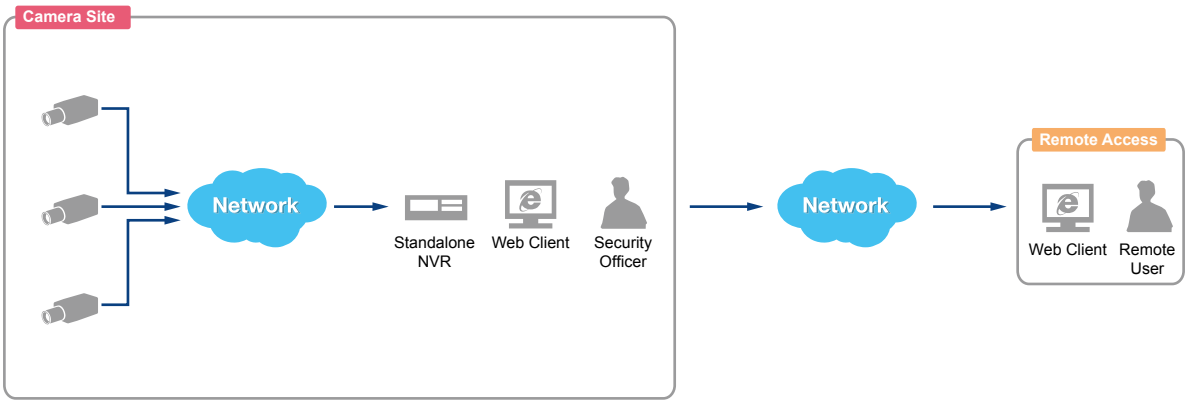
DIMENSION DIAGRAM



Unit: mm [inch]

SOLUTION ARCHITECTURE

Standalone NVR



Remote User: Administrator / Supervisor / Manager / Security Officer

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Standalone NVR

GNR-2000

PRODUCT SPECIFICATION

	GNR-2000
• General	
Full Name	ACTi Standalone Network Video Recorder GNR-2000
Maximum Number of Clients	Unlimited
Maximum Number of Cameras	16
Compression	H.264, MPEG-4, MJPEG
• Live View	
Display Layout Mode	1, 2, 4, 5, 6, 8, 9, 10, 16, 25, 32, 36, 49, 64
Layout Manager	An interface to define display layouts and the pre-set cameras within layouts; full-screen mode available
Layout Tour	Automatic switch between different display layouts
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Camera Tree	Drag and drop video source from camera tree into display layout
Manual Recording	Instant recording upon mouse click
Event Panel	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Two-way audio	Audio sound from and to all the audio supported devices
• PTZ	
Control	Pan, tilt and zoom controls; speed control; both buttons and overlay controls
Preset Points and Tours	Create preset points; create auto tours between preset points; Activate NVR preset points or auto tours between preset points
Number of Preset Points	32
Joystick	USB based joystick supported
Default Protocol	URL command
• Recording	
Scheduled Recording	Record video with user defined schedule
Event Recording	Record video when the alarm event is triggered, including the pre-event buffered video clip
Bufferless Recording	Event recording without pre-event buffered video clip; no streaming in normal mode; saves bandwidth
Manual Recording	Instant recording upon mouse click
Recording Frame Rate	Max 480 fps total; Max 30 fps per camera
Maximum Recording Throughput	96 Mbps
• Storage	
Interface	Serial ATA
HDD Bay	Maximum 5 disks (disks not included)
RAID Level	RAID 0, 1, 5, 10
• Search & Playback	
Time Based Video Search	Search video recordings by time, channel or bookmark
Event Based Video Search	Search alarm triggered video recordings
Activity and Status Log Search	Search for log of video loss/recovery, network disconnect/reconnect, alarm events, user activity; export of all logs
Playback Control	Forward and backward playback with speeds 1x-500x; pause; stop
Synchronized Playback	4 channels
Manual Snapshot	Create snapshot from playback for export
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons
Video Cropping	Crop a short video clip from long recording file and save it as an independent file
Video Export	Export video clips in AVI format; text overlay supported
• Event Management	
Event Trigger	Video motion detection; External device through digital input; Video loss and recovery; Network loss and recovery
Event Response	Record video; Play alert beep; Activate external device through digital output; Upload snapshot to FTP server; E-mail notification with snapshots; Event logging
Manual Event	Manually activate external devices through digital output via live view monitor
• System	
Permission Control	Unlimited number of users, multi-level permission, camera group permission for different users
Data Backup	By external DVD drive (optional)
Operating System	Embedded Linux
System Status Monitor	Real time status reports on remote browser
Language	Multi-language support
• Remote Access	
PC Web Browser	Microsoft Internet Explorer 7.0 or 8.0 with live view, PTZ, playback, setup
• Hardware	
Dimensions (W x H x D)	300 mm x 200 mm x 205 mm (11.81" x 7.87" x 8.07')
Weight	3.88 Kg (8.55 lb) without HDD
Operating Temperature	0°C~ 40°C(32°F ~ 104°F)
Operating Humidity	10% ~ 85% RH
Power Source / Consumption	110V~220V AC 50/60Hz / 350 W
Approvals	CE, FCC (Part 15B Class A), LVD
USB	USB 2.0, 4 ports
Ethernet Port	2, Ethernet (1000 Base-T), RJ-45 connector
Connectors*	Local Display: 1, VGA DE-15; Mouse: USB; Keyboard: USB; Audio: 3, 3.5mm Phone Jack
• System Requirements**	
Remote Client PC	1-16 channels: Intel Core 2 Duo 2.66 GHz 32-bit, 4GB RAM
Client PC Operating System	32/64 bit: Windows 7 (all versions), Windows Server 2008 (all versions), Windows Vista (all versions), Windows Server 2003 (all versions), Windows XP (all versions)
Browser	Microsoft Internet Explorer 7.0 or 8.0
• Integration	
Unified Solution	Fully compatible with ACTi cameras, encoders and CMS v1.5
Camera Integration	Open platform
ISV CMS Integration	Software Development Kit (SDK) available

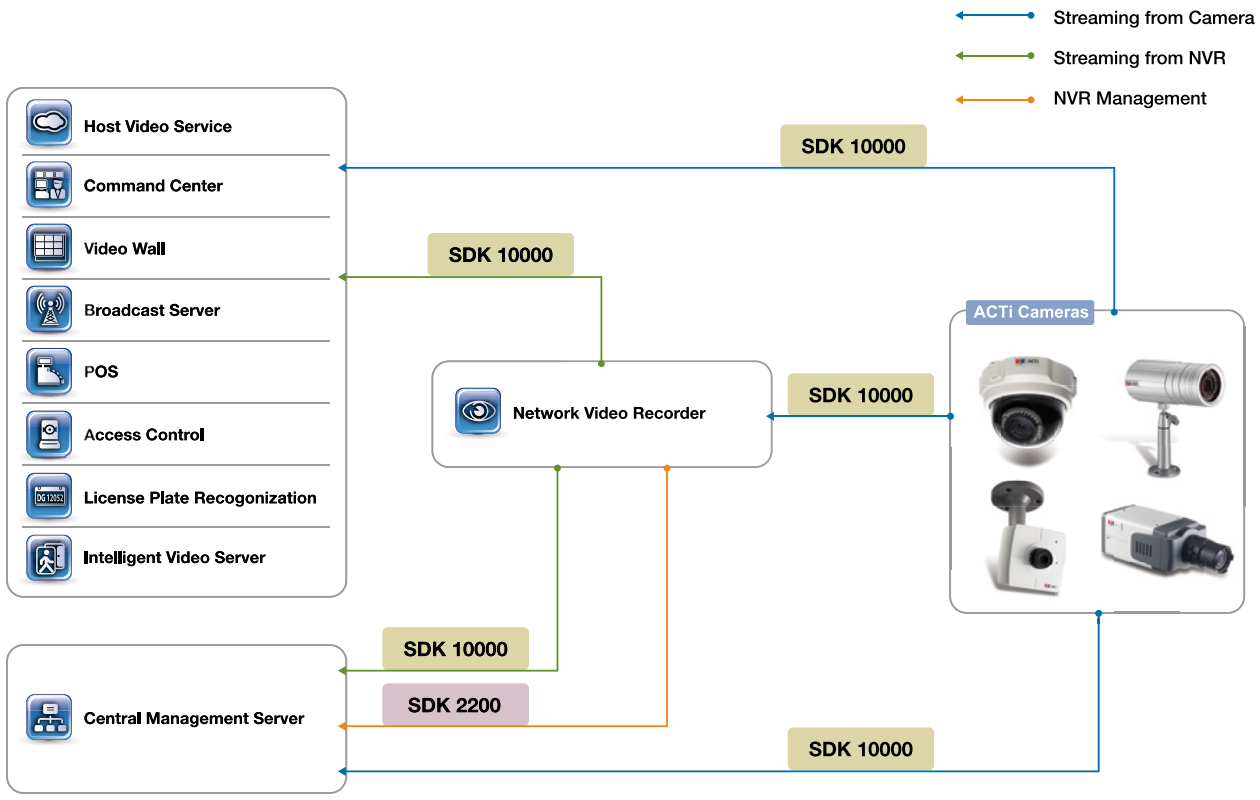
* GNR-2000 will support local display, keyboard, mouse and audio from Q3 2011.
** These specifications are based on following camera settings: 1280x1024, 3Mbps, 18fps, MPEG-4. For more details about system requirements, please refer to Project Planner on www.acti.com

ACTi SDK

ACTi Software Development Kit

- One SDK for all ACTi devices
- SDK for ACTi NVR Server
- Support DivX, XviD, FFMPEG, Intel IPP Decoder
- Support MPEG-4, H.264 and MJPEG compression
- Support Visual C++, VB6, VB.Net, Javascript + HTML language
- C SDK Edition
- ActiveX Control Edition
- Windows Mobile C SDK Edition

POSITIONING



SDK-2200	SDK for ACTi NVR Server • C SDK Edition • ActiveX Control Edition
SDK-10000	SDK for all ACTi products • C SDK Edition • ActiveX Control Edition • Windows Mobile C SDK Edition

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACTi SDK

PRODUCT SPECIFICATION

	ACTi SDK
• Development Environment	
Environment	Windows XP, Windows 2003, Windows Vista, Windows 7 Professional
Programming Language	Visual C++ v6.0, Visual Studio.Net 2003, Visual Studio 2005, Visual Studio 2008, Visual BASIC v6.0, VB.Net, HTML, JavaScript
• SDK-10000	
SDK Offerings	C SDK, ActiveX Control SDK, URL Command, RTP/RTSP Package
Supported Devices	ACTi IP Camera, IP Dome, IP Speed Dome, Video Server, Quad Video Server
Supported Resolution	2032 x 1920 / FULL HD 1080P (1920 x 1080) / HD 720P (1280 x 720) / D1(720 x 480) / VGA (640 x 480) / CIF(352 x 240) / QCIF(160 x 112)
Format	MPEG-4 / H.264 / MJPEG
Standard Decoding	Supports FFMPEG, DivX, XviD, Intel IPP decoder
Protocol	TCP, Multicast, RTP/RTSP
Preview	MPEG-4 / H.264 / MJPEG streaming, decoding, render and display
RGB Buffer	Callback function to retrieve RGB buffer
Audio	2-way audio supported. Audio format complies with PCM / 8 KHz sampling rate / MONO
Recording	Recording, alarm recording with pre-event, post-event recording time. MPEG-4/H.264/MJPEG raw data and AVI format supported
Playback	Playback recorded archive with speed control, forward/backward direction control, seek and frame-by-frame operation
Motion Detection	Callback function supported when a motion event is detected
Digital I/O Event	Callback function supported when a digital input is triggered
Serial Port Function	Sends serial port commands or receives data from serial port.
PTZ Function	Pan, Tilt, Zoom, Preset, IRIS, OSD, Absolute Position
PTZ Protocols	CAM-6600 series; Pelco-P, Pelco-D, Lilin, Dynacolor, TOA, Eyeview, VideoTrec
Sample Codes	AbsolutePosition, ArchivePlayer, ArchivePlayerMultiFile, ControlSample, DecodeSample, MediaConverter, PTZSample, RTPSample, StreamSample, SearchSample, SendAudio, URLSample
• SDK-10000 Windows Mobile Edition	
Environment	Microsoft Windows Mobile 5, Windows Mobile 6
CPU	Intel XScale Series, Samsung Series, TI OMAP Series
Programming Language	Visual Studio 2005, Visual Studio 2008, C/C++
Resolution	D1(720 x 480) / VGA (640 x 480) / CIF(352 x 240) /QCIF(160 x 112) when get from Device; QVGA (320 x 240) / QQVGA (160 x 112) when get from NVR. You should adjust the video profile according to your mobile device performance
Sample Codes	Preview, PTZ, Preview from NVR
• RTP/RTSP Package	
RTP Protocol Flow	RTSP request commands, OPTIONS, DESCRIBE, SETUP, PLAY, PAUSE, TEARDOWN
MPEG-4 Data Structure	Packet format, video payload, audio payload, B2header description
Sample Codes	Video Sample, Control Sample, PTZ Sample,Sound Player Sample, URL Sample
• SDK-2200	
SDK Offerings	C SDK, ActiveX Control SDK
Supported Devices	ACTi NVR Server Enterprise Edition
Format	MPEG-4 / H.264 / MJPEG
Audio	2-way audio
PTZ Controls	Controls PTZ operations via ACTi NVR
ACTi NVR Management	Query system information; add, delete devices via ACTi NVR
ACTi NVR Monitor	Monitor ACTi NVR system resources, disk capacity, recording, schedule and system logs
Search Video Clips	Search video clips recorded on ACTi NVR
Remote Preview	Preview ACTi IP Camera Video via ACTi NVR
Remote Playback	Playback recorded archives on ACTi NVR
Event Management	Events will be passed via ACTi NVR
Sample Codes	Remote search, remote Preview, remote playback
• Sample Codes	
Absolute Position	Use absolute position to control PTZ camera.
Archive Player	Preview a RAW file with playback function.
Archive Player Multi File	Play multiple RAW file seamlessly
Control Sample	Setup control port connection and receive event from device directly
Decode Sample	Supported functions include connects to the device, recieves RAW data, decode MPEG4/H.264 to RGB buffer, display RGB buffer, and save to BMP file
Media Converter	Convert RAW file to AVI format
PTZ Sample	Get PTZ command from PTZParser library and send PTZ command via URL command
RTP Sample	Connects to device using RTP over UDP or RTP over Multicast, and support audio function
Stream Sample	Functions included:Live view via TCP, Multicast, RTP2-way audio, record, playback, Get/Set device configuration, Motion detection, DIO
Search Sample	Search for connectable devices
Send Audio	Send wave file to device.
URL Sample	Send URL request and receive URL responsefrom device.

ACTi Utility

ACTi Utility Suite

- **IP Utility:** Search, list and manage devices within local area network, upgrade firmware, backup/restore configuration
- **Snapshot Utility:** Convert live video into a sequence of JPEG snapshots and save locally or send to FTP or by e-mail
- **Streaming Explorer:** Test device connections, PTZ and event functions via web browser
- **Archive Player:** Forward and backward playback of RAW files with 1x-8x speeds together with manual snapshot function
- **Media Converter:** Convert one or many RAW video clips into a sequence of JPEG snapshots or into AVI video clips and save locally
- **Backup Wizard:** Backup and restore configuration of ACTi NVR and CMS

POSITIONING

	Utility	Purpose	Usage	
			Local File Management	Connect to Camera
	IP Utility	Installation		Y
	Snapshot Utility	Evidence Presentation		Y
	Streaming Explorer	Installation		Y
	Archive Player	Evidence Presentation	Y	
	Media Converter	Evidence Presentation	Y	
	Backup Wizard	Installation	Y	

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

ACTi Utility

PRODUCT SPECIFICATION

	ACTi Utility
• IP Utility	
Search Device	Search and list IP cameras, video encoders and decoders within local area network; IP address, MAC address, firmware version, model name and production ID are available in the device list
Manage Device	Configure host name, network addresses, HTTP port number, date and time; backup configurations; restore configurations to multiple devices at the same time; auto-login to device's web page for detailed configuration; Quick link to brief information and video properties of the device
Firmware Upload	Firmware upload to multiple devices at the same time
Camera Profile Upload	Camera profile upload to multiple devices at the same time
• Snapshot Utility	
Snapshot Generator	Generate JPEG images from a live video stream of up to 16 devices at the same time and save them locally
Snapshot Frequence Rate	Based on source video frame rate or user defined frame rate
Source Video Resolution	Up to Megapixel resolution
Source Video Compression	H.264, MPEG-4, MJPEG
Resize Snapshot	Resize to QCIF, CIF, VGA, D1 or Megapixel
Text Overlay	Device name, IP address or date/time on the snapshot
Snapshot Forwarding	Send snapshots to FTP or by e-mail upon Motion Detection or upon activation of Digital Input
Save Configuration	Snapshot rules and source video information can be saved for all the 16 channels of Snapshot Utility
• Streaming Explorer	
Live View	One-channel web browser based live view monitor; full screen mode supported
Compression	H.264, MPEG-4, MJPEG
Video Resolution	Up to 4-Megapixel resolution
Dual Stream Management	Live view of dual stream enabled devices
PTZ Control	Pan, Tilt, Zoom buttons; Mouse PTZ; Iris and focus control
OSD Control	On-screen menu to configure the settings of speed domes or other OSD supported cameras
Event Source Setup	Video motion detection or passive infrared setup
Manual Event Trigger	Manually activate digital output
Network Protocol	HTTP, TCP, RTSP
Supported Web Browser	Microsoft Internet Explorer 7.0 or 8.0
• Archive Player	
Playback	Forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop
Playback Accuracy	The time stamp of each frame is shown in milliseconds
Compression	H.264, MPEG-4, MJPEG
Video Resolution	Up to 4-Megapixel resolution
Layout	One-channel layout with full-screen display option
Manual Snapshot	Save JPEG or BMP snapshot file locally upon mouse click
Text Overlay	User defined text, channel ID or date/time on snapshot
• Media Converter	
Video Format Conversion	Convert RAW (H.264, MPEG-4 or MJPEG) video and audio into AVI
Video Resolution	Up to 4-Megapixel resolution
Snapshot Generator	Generate JPEG images from a recorded RAW video stream and save them locally
Snapshot Frequency	Based on source video frame rate
Text Overlay	User defined text, channel ID or date/time on snapshot or AVI
Multiple RAW File Conversion	Convert all the RAW files within same folder into AVI files or snapshots
Video Cropping	Crop a short video clip from a long RAW file and save it as an independent RAW or AVI file
• Backup Wizard	
Backup and Restore Configuration	Backup and restore configuration of ACTi NVR and CMS, including camera configuration, user and group information, layout configuration, e-map, recording schedule and recording log data; it will not backup and restore license information

Accessory

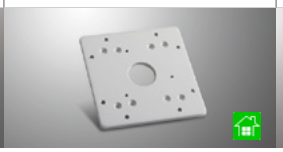
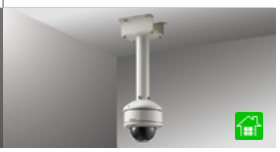
Lens Selection Table

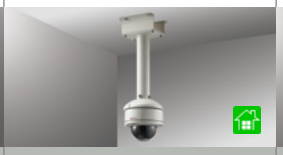
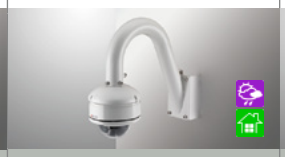
ACTi P/N		PLEN-0102	PLEN-0107	PLEN-0111	PLEN-0112	PLEN-0201	PLEN-0202	PLEN-0205	PLEN-0212	PLEN-0213
Photo										
Size		1/3”	1/3”	1/3”	1/3”	1/3”	1/3”	1/2”	1/2”	1/2”
Mount		CS	CS	Board	Board	CS	CS	C	CS	CS
Type		IR	Normal	Normal	Normal	Normal	IR	IR	IR	IR
Iris		Fixed	Manual	Fixed	Fixed	Manual	Manual	Auto	Auto	P-Iris
Aperture (F)		1.8	1.4	2	2	1.2	1.6	1.6	1.2	1.2
Focal Length (mm)		8	3.5~8	2.4	2.4	2.4~6	2.8~12	8~80	3.1 ~ 8	3.1 ~ 8
Products - Field of View (HOR) (°)	ACM-3001				108.7					
	ACM-3401				108.7					
	ACM-3601			110.6						
	ACM-3701			110.6						
	ACM-4001					113.4~46	94~25.5			
	ACM-4201					113.4~46	94~25.5			
	ACM-5001	33.3	70 ~ 31.6			101.3~45.6	91.1~22.9			
	ACM-5601	33.3	70 ~ 31.6			101.3~45.6	91.1~22.9			
	ACM-5611						91.1~22.9			
	TCM-3401				108.7					
	TCM-4201					113.4~46	94~25.5			
	TCM-5601					101.3~45.6	91.1~22.9		85.91-34.12	
	TCM-5611						91.1~22.9		85.91-34.12	
	TCM-5311							34.4~3.7	89.69-35.06	
	KCM-5111									79.07-35.06

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Accessory

Mounting Configuration Table

	3-inch Fixed Dome			
	Flush Mount	L Type Wall Mount	Outdoor	Pendant Mount
ACM-3001 ACM-3011 ACM-3401 ACM-3411 ACM-3511 TCM-3401 TCM-3411 TCM-3511	PMAX-1006	PMAX-0308	PMAX-0801	PMAX-0101 + PMAX 0103
				

	4-inch Fixed Dome			
	Flush Mount	L Type Wall Mount	Pendant Mount	Pendant Mount / Box
ACM-7411 TCM-7411 TCM-7811 KCM-7111 KCM-7211	PMAX-1003 for all except PMAX-1004 for TCM-7811	PMAX-0308	PMAX-0101 + PMAX 0103	PMAX-0101 + PMAX-0102 + PMAX-0700
				
	Gooseneck Wall Mount - Raised	Gooseneck Wall Mount - Flat	Gooseneck Wall Mount / Box	Heavy Duty Wall Mount	Heavy Duty Wall Mount / Box
	PMAX-0101 + PMAX-0302	PMAX-0101 + PMAX-0303	PMAX-0101 + PMAX-0303 + PMAX-0700	PMAX-0101 + PMAX-0305	PMAX-0101 + PMAX-0305 + PMAX-0700
					
	Gooseneck Pole Mount	Gooseneck Pole Mount / Box	Heavy Duty Pole Mount	Heavy Duty Pole Mount / Box	
	PMAX-0101 + PMAX-0303 + PMAX-0502	PMAX-0101 + PMAX-0303 + PMAX-0502 + PMAX-0700	PMAX-0101 + PMAX-0305 + PMAX-0502	PMAX-0101 + PMAX-0305 + PMAX-0502 + PMAX-0700	
	Heavy Duty Corner Mount	Heavy Duty Corner Mount / Box	Gooseneck Corner Mount	Gooseneck Corner Mount / Box	
	PMAX-0101 + PMAX-0305 + PMAX-0402	PMAX-0101 + PMAX-0305 + PMAX-0402 + PMAX-0700	PMAX-0101 + PMAX-0303 + PMAX-0402	PMAX-0101 + PMAX-0303 + PMAX-0402 + PMAX-0700	

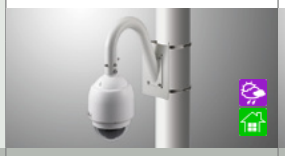
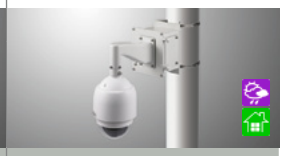
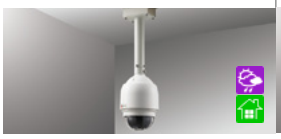
* Use PMAX-0104 Extension Tube when camera is suspended far below the mounting point.

: Indoor : Outdoor

Accessory

Mounting Configuration Table

	Box		Bullet	
	Pole Mount	Corner Mount	Pole Mount	Corner Mount
Box: ACM-5001 ACM-5601 ACM-5611 TCM-5311 TCM-5601 TCM-5611 Bullet: ACM-1231 ACM-1431 ACM-1511 TCM-1231 TCM-1511	PMAX-0200/0201/0202 + PMAX-1101 + PMAX-0502	PMAX-0200/0201/0202 + PMAX-1101 + PMAX-0402	PMAX-1103 + PMAX-0502	PMAX-1103 + PMAX-0402

	Speed Dome			
	Gooseneck Pole Mount	Gooseneck Pole Mount / Box	Heavy Duty Pole Mount	Heavy Duty Pole Mount / Box
CAM-6610 CAM-6630 TCM-6610 TCM-6630	PMAX-0306 + PMAX-0502	PMAX-0306 + PMAX-0502 + PMAX-0700	PMAX-0309 + PMAX 0502	PMAX-0309 + PMAX-0502 + PMAX-0700
				
Gooseneck Wall Mount - Raised	**Gooseneck Wall Mount - Flat**	**Gooseneck Wall Mount / Box**	**Heavy Duty Wall Mount**	**Heavy Duty Wall Mount / Box**
PMAX-0307	PMAX-0306	PMAX-0306 + PMAX-0700	PMAX-0309	PMAX-0309 + PMAX-0700
Gooseneck Corner Mount	**Gooseneck Corner Mount / Box**	**Heavy Duty Corner Mount**	**Heavy Duty Corner Mount / Box**	
PMAX-0306 + PMAX-0402	PMAX-0306 + PMAX-0402 + PMAX-0700	PMAX-0309 + PMAX-0402	PMAX-0309 + PMAX-0402 + PMAX-0700	
Pendant Mount	**Pendant Mount / Box**			
PMAX-0109	PMAX-0108 + PMAX-0700			
				

* Use PMAX-0104 Extension Tube when camera is suspended far below the mounting point.

: Indoor : Outdoor

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Accessory

Fixed Housings & Brackets

	Outdoor Housing		
	PMAX-0200	PMAX-0201	PMAX-0202
Color	Beige	Beige	Beige
Material	Aluminum (Baked enamel)	Aluminum (Baked enamel)	Aluminum (Baked enamel)
Mounting	From bottom	From bottom	From bottom
Dimension (W x H x D)	147 x 140 x 470 mm (5.79" x 5.51" x 18.50")	147 x 140 x 470 mm (5.79" x 5.51" x 18.50")	113 x 106 x 410 mm (4.45" x 4.17" x 16.14")
Weight	2.34 kg (5.16 lb)	2.34 kg (5.16 lb)	2.7 kg (5.95 lb)
Certification	IP66, CE	IP66, CE	IP66, CE
Fan & Heater	Powered by AC 110V	Powered by AC 220V	N/A
Applied Model	ACM-5001 ACM-5601/ACM-5611 TCM-5311 TCM-5601/TCM-5611		ACM-5001 ACM-5601/ACM-5611 TCM-5601/TCM-5611

	Camera Bracket			Housing Bracket
	PMAX-1100	PMAX-1102	PMAX-1103	PMAX-1101
Color	Ivory	Silver	Silver-grey	Beige
Material	Plastic	Zinc, Plastic	Aluminum	Aluminum
Swivel Angle	N/A	N/A	360°	360°
Tilt Angle	90°	90°	90°	90°
Maximun Load	3.5 kg (7.72 lb)	1 kg (2.20 lb)	10 kg (22.05 lb)	10 kg (22.05 lb)
Dimension	L x Baseplate 175 x 89 mm (6.89" x 3.50")	L x Baseplate: 120 x 50 mm (4.72" x 1.97")	W x L x H: 84 x 99 x 270 mm (3.31" x 3.90" x 10.63")	W x L x H: 84 x 99 x 270 mm (3.31" x 3.90" x 10.63")
Weight	0.5 kg (1.10 lb)	0.13 kg (0.29 lb)	1 kg (2.20 lb)	1 kg (2.20 lb)
Applied Model	For Cameras: ACM-1511 ACM-5001 ACM-5601/ACM-5611 TCM-1511 TCM-5311 TCM-5601/TCM-5611 KCM-5111 KCM-5211 KCM-5311	For Cameras: ACM-1511 TCM-1511	For Cameras: ACM-1231 ACM-1431 TCM-1231 KCM-5211E KCM-5311E	For Outdoor Housings: PMAX-0200 PMAX-0201 PMAX-0202

Accessory

Dome Covers

	Fixed Dome Cover	
	PDCX-0101	PDCX-0100
Environment	Indoor	Indoor
Color	Smoke dome cover	Smoke dome cover
Material	Plastic (PC / ABS)	Plastic (PC / ABS)
Diameter	96 mm (3.78”)	96 mm (3.78”)
Weight	0.23 kg (0.51 lb)	0.23 kg (0.51 lb)
Casing	Non-vandal proof	Non-vandal proof
Applied Model	ACM-3001 ACM-3401/ACM-3411 TCM-3401/TCM-3411	ACM-3011 ACM-3511 TCM-3511

	Fixed Dome Cover		
	PDCX-1102	PDCX-1101	PDCX-1104
Environment	Indoor / Outdoor	Outdoor	Outdoor
Color	Smoke dome cover	Smoke dome cover	Smoke dome cover
Material	Plastic (PC / ABS)	Plastic (PC / ABS)	Plastic (PC / ABS)
Diameter	100 mm (3.94”)	107.8 mm (4.25”)	105.2 mm (4.14”)
Weight	0.132 kg (0.29 lb)	0.26 kg (0.57 lb)	0.148 kg (0.33 lb)
Casing	Vandal proof	Vandal proof	Vandal proof
Applied Model	ACM-3601 ACM-3701	ACM-7411 TCM-7411 KCM-7111 KCM-7211	TCM-7811

	Speed Dome Cover		
	PDCX-0001	PDCX-1001	PDCX-0103
Environment	Outdoor	Outdoor	Outdoor
Color	Transparent dome cover	Transparent dome cover	Smoke dome cover
Material	Plastic (PC / ABS)	Plastic (PC / ABS)	Plastic (PC / ABS)
Diameter	145 mm (5.71”)	145 mm (5.71”)	145 mm (5.71”)
Weight	0.625 kg (1.38 lb)	0.64 kg (1.41 lb)	0.625 kg (1.38 lb)
Casing	Non-vandal proof	Vandal proof	Non-vandal proof
Applied Model		CAM-6610 CAM-6630 TCM-6610 TCM-6630	

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Accessory

Dome Camera Mounting Accessories

	PMAX-0308	PMAX-0801
Name	L Type Wall Mount	Gang Box Converter
Environment	Indoor / Outdoor	Indoor
Color	White	White
Material	Aluminum	Aluminum
Dimension (W x L x D)	157.7 x 113.3 x 230 mm (6.21” x 4.46” x 9.06”)	140 x 140 x 6 mm (5.52” x 5.52” x 0.24”)
Weight	1.2 kg (2.65 lb)	0.4 kg (0.88 lb)
Applied Model	ACM-3001; ACM-3011; ACM-3401/ACM-3411; ACM-3511 ACM-7411; TCM-3401/TCM-3411; TCM-3511; TCM-7411 TCM-7811; KCM-7111; KCM-7211	ACM-3001; ACM-3011; ACM-3401/ACM-3411; ACM-3511 TCM-3401/TCM-3411; TCM-3511

	PMAX-1003	PMAX-1004	PMAX-1006
Name	Flush Mount Kit	Flush Mount Kit	Flush Mount Kit
Environment	Indoor	Indoor	Indoor
Color	White	White	White
Material	Plastic / Aluminum	Plastic / Aluminum	Plastic / Aluminum
Dimension (Ø x H)	197.2 x 72.8 mm (7.77” x 2.87”)	197.2 x 86 mm (7.77” x 3.39”)	197.2 x 72.8 mm (7.77” x 2.87”)
Weight	0.58 kg (1.28 lb)	0.6 kg (1.32 lb)	0.74 kg (1.63 lb)
Applied Model	ACM-7411; TCM-7411 KCM-7111; KCM-7211	TCM-7811	ACM-3001; ACM-3011 ACM-3401/ACM-3411; ACM-3511 TCM-3401/TCM-3411; TCM-3511

Accessory

Dome Camera Mounting Accessories

	PMAX-0305	PMAX-0309	PMAX-0303
Name	Heavy Duty Wall Mount	Heavy Duty Wall mount - For Speed Dome	Gooseneck Without Bracket
Environment	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Color	White	White	White
Material	Aluminum	Aluminum	Aluminum
Dimension (W x L x H)	90 x 145 x 232 mm (3.55” x 5.71” x 9.14”)	190 x 145 x 232 mm (7.49” x 5.71” x 9.14”)	323 x 90 x 351 mm (12.73” x 3.55” x 13.83”)
Weight	1.05 kg (2.31 lb)	1.2 kg (2.65 lb)	1.24 kg (2.73 lb)

	PMAX-0302	PMAX-0306	PMAX-0307
Name	Gooseneck With Bracket	Gooseneck Without Bracket - For Speed Dome	Gooseneck With Bracket - For Speed Dome
Environment	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Color	White	White	White
Material	Aluminum	Aluminum	Aluminum
Dimension (W x L x H)	323 x 134 x 355 mm (12.73” x 5.28” x 13.99”)	323 x 90 x 351 mm (12.73” x 3.55” x 13.83”)	323 x 134x 355 mm (12.73” x 5.28” x 13.99”)
Weight	1.49 kg (3.28 lb)	1.4 kg (3.07 lb)	1.68 kg (3.70 lb)

	PMAX-0402	PMAX-0502	PMAX-0700
Name	Corner Mount Kit	Pole Mount Kit	Junction Box
Environment	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Color	White	White	White
Material	Aluminum	Aluminum	Aluminum
Dimension	W x L x D: 330 x 206 x 206 mm (13.0” x 8.12” x 8.12”)	Ø x H: 203 x 240 mm (8.0” x 9.45”)	W x L x D: 220 x 208 x 155 mm (8.67” x 8.20” x 6.11”)
Weight	1.35 kg (2.98 lb)	0.85 kg (1.87 lb)	2.04 kg (4.50 lb)

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Accessory

Dome Camera Mounting Accessories

	PMAX-0101	PMAX-0102	PMAX-0103
Name	Mount Kit	Straight Tube Without Bracket	Straight Tube With Bracket
Environment	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Color	White	White	White
Material	Aluminum	Aluminum	Aluminum
Dimension	Ø x H: 152 x 74 mm (5.99” x 2.92”)	W x L x H: 140 x 90 x 255 mm (5.52” x 3.55” x 10.05”)	W x L x H: 140 x 134 x 309 mm (5.52” x 5.28” x 12.17”)
Weight	0.75 kg (1.65 lb)	0.63 kg (1.39 lb)	0.88 kg (1.94 lb)

	PMAX-0108	PMAX-0109	PMAX-0104
Name	Straight Tube Without Bracket - For Speed Dome	Straight Tube With Bracket - For Speed Dome	Extension Tube
Environment	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Color	White	White	White
Material	Aluminum	Aluminum	Aluminum
Dimension	W x L x H: 140 x 90 x 286 mm (5.52” x 3.55” x 11.27”)	W x L x H: 140 x 134 x 340 mm (5.52” x 5.28” x 13.40”)	Ø x H: 51.8 x 540.3 mm (2.04” x 21.29”)
Weight	0.8 kg (1.76 lb)	1.06 kg (2.34 lb)	0.91 kg (2.01 lb)

Accessory

PoE Injectors

	PPOE-0000	PPOE-1000	PPOE-3000	PPOE-4000
Standard Compliance	IEEE 802.3af Power over Ethernet			
Ethernet Connector	2xRJ-45			
Ethernet Data rate	10/100 Mbps			
Input Voltage	DC 48V, 0.4A			
Dimension (W x D x H)	73 x 55 x 24 mm (2.88" x 2.17" x 0.95")			
Supported Country	US/Japan	Europe	UK	Australia

Rackmount Kits

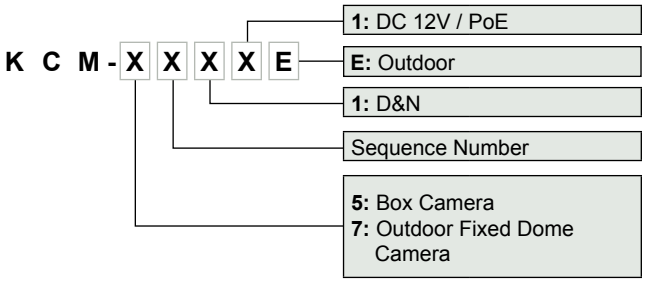
	RMK-2000	RMK-3000
Color	Black	Black
Material	Heavy-duty steel	Heavy-duty steel
Max. Number of Device Supported	8	8
Cooling Fan	8 (60 x 60 x 25 mm) (2.36" x 2.36" x 0.98")	N/A
Power for Fan	Input : 100-240 Vac AC-DC adapter Output: 12 Vdc / 1.5 A	N/A
Dimension (W x D x H)	505.4 x 216.25 x 176.3 mm (19.90" x 8.52" x 6.95") Rack-mountable (4U)	481.6 x 200.1 x 177 mm (18.98" x 7.88" x 6.97") Rack-mountable (4U)
Weight	7.5 kg (16.53 lb)	3.5 kg (7.72 lb)
Applied Devices	ACD-2000Q ACD-2100 ACD-3100 TCD-2100	ACD-2000Q ACD-2100 ACD-2200 ACD-3100 TCD-2100
Front-Bezel	• R306-00004-000 (For ACD-2100 / ACD-2000Q / ACD-3100) • R306-00007-000 (For General)	• R306-00008-000 (For ACD-2200) • R306-00014-000 (For ACD-2100 / ACD-2000Q / ACD-3100) • R306-00009-000 (For General)

* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

Product Naming Convention

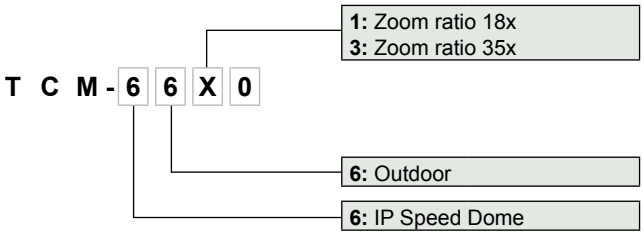
MULTI-MEGAPIXEL IP CAMERA

H.264 / MPEG-4 / MJPEG Platform



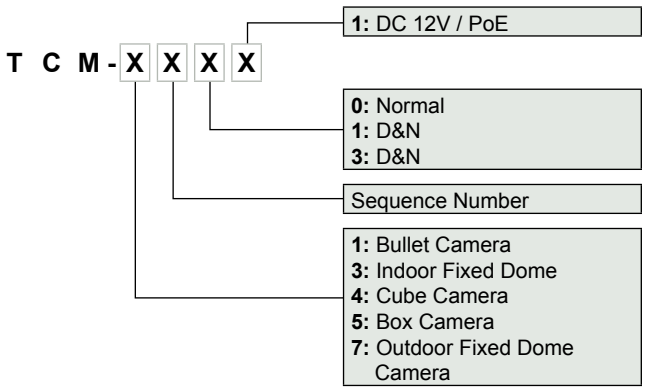
IP SPEED DOME

H.264 / MPEG-4 / MJPEG Platform

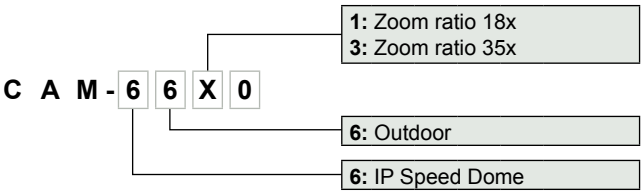


IP CAMERA

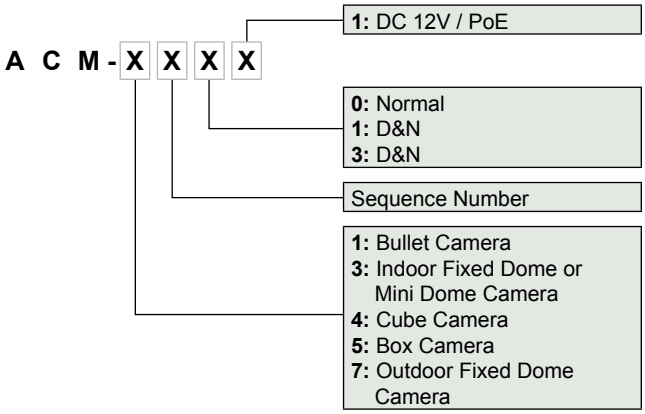
H.264 / MPEG-4 / MJPEG Platform



MPEG-4 ASP Platform

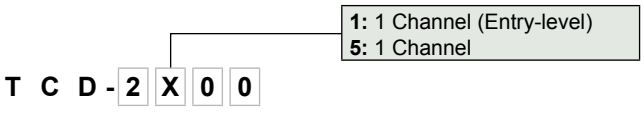


MPEG-4 / MJPEG Platform

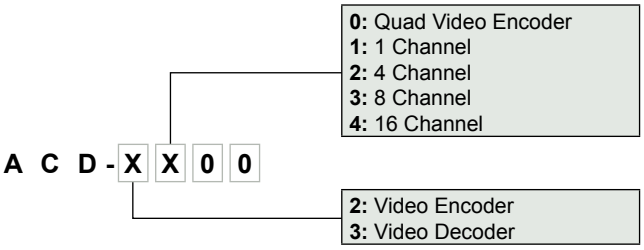


VIDEO ENCODER / VIDEO DECODER

H.264 / MPEG-4 / MJPEG Platform



MPEG-4 / MJPEG Platform



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BG-110225-000